October Revision

① Summary

Lesson 2

- **Flash Memory:** It transfers files and data between computers.
- **External Hard Drive:** Like HDD, but much faster.
- **Ethernet Cable:** It connects a computer or laptop to a router.
- **Ethernet Port:** It connects an ethernet cable. Ethernet is more stable and faster than Wi-Fi.
- **Router:** Is a device that connects a computer to the internet via ethernet or Wi-Fi.
- **HDMI:** It transmits audios and videos from/to devices.

① Bit	The smallest unit of data	0 or 1
② Byte	1 Byte = 8 bits = 1 character	"Cat" = 3 characters = 3 Bytes
③ Kilobyte (KB)	1 KB = 1024 B	
④ Megabyte (MB)	1 MB = 1024 KB	
⑤ Gigabyte (GB)	1 GB = 1024 MB	
⑥ Terabyte (TB)	1 TB = 1024 GB	

- **Megabits per second (Mbps):** Measures the speed of a network or the internet connection.
- The faster the speed, the better the internet connection.
- **GigaHertz (GHz):** Measures the number of cycles your CPU carries out per second.
- The higher the number of cycles, the faster the speed.

Problem	Reason	Solution
1 Trouble processing large files. (Like a large PowerPoint presentation)	• Not enough graphics storage	• Shut down some programs.
2 Not able to store files	• Not enough space	• Move old files to an external drive.
3 A poor video-conference connection	• Slow wireless internet connection	• Try an ethernet connection.
4 The home internet connection is not working.	• Connection interrupted	• Use the ethernet or contact an (ISP). (Internet Service Provider)

Lesson 3

- **Networks:** They are groups of people or things that are connected to each other for a common purpose.
- **Local Area Network (LAN):** It consists of a computer connected to another computer or device, such as a printer or router.
- **Internet:** It connects millions of computers from all around the world.
  - To connect a computer to the internet, we need a gateway, such as a router.
- **Router:** It connects your computer to an ISP to provide internet access.
- **The ISP:** Is a company that provides the internet service to the customers.
- **World Wide Web (WWW):** Is a part of the internet network, and is made up of web pages and sites that people can navigate.
- **Intranet:** It is private, and restricted to only those who are part of the business, school, or organization.
- **Open Network:** It is open and accessible to all, such as the web.
- **Closed Network:** It may have only computers linked by a cable to allow file sharing, such as a school's computer lab.

History of Communication Technology:

- **80s:** They used phone lines to connect to the internet, this was slow but stable
- **Late 80s:** DSL allows phones and the internet to be used simultaneously.
- **90s:** Emergence of the World Wide Web (WWW).
- **2000+:** Wi-Fi and Hotspots (they both allow internet access anywhere from your smartphone).

Lesson 4

- We use closed networks to share private information.
- We use open networks to share public information.
- **Internet of Things (IoT):** Consists of devices linked to the internet via Wi-Fi.
- **Bluetooth:** Is a networking technology that connects wireless mobile devices over a short range to form a network to transmit data between different devices.
- You should ask your parents before going shopping online.
- **Screen Readers:** Help visually impaired people write research papers, do homework, and access files and documents on PCs.
- **Braille Method:** Helps blind people read and write.
- **E-commerce:** Is online shopping, where people can buy and sell products.

Lesson 5

Follow this troubleshooting process to help with computer problems:

1. Identify the problem.
2. Plan different ways you might solve the problem with
3. Go through your potential solutions.
4. If you do not find a solution, you should ask your teacher or a member of your family for help.



Problem	Solution
❶ The computer slows down when opening an app.	• Shut down and restart it. • Check for software updates. • Delete unwanted apps.
❷ The browser is running slow.	• Check Wi-Fi signal. • Make sure apps are up to date on your device.
❸ No internet connection	• Use the software to troubleshoot your Wi-Fi connection. • Check that the router is connected. • Restart your router. • Try a new ethernet cable. • Contact the customer service of your ISP for help.
❹ Slow to download	• Restart your computer and router. • Check the internet speed.

Lesson 6

- There are many ways to find information, such as QR codes, libraries, the internet, and TV.
- QR codes help us access the information easily and quickly by scanning the code with a camera phone.
- **Scanner:** Saves images and documents on a computer for later use.
- **Flash Memory:** Stores and shares information and data.
- **How to get organized using ICT tools?**
  1. **Create the main folder:**
     - Press the right click >>> New >>> Folder
     - Then, type a name for the folder.
  2. **Add sub-folders:**
     - Open the main folder > press right click > select New > then select Folder.
     - Type a name for the folder.
- You can give a title to a folder by pressing right click then "Rename".

Exercises on Lesson 2

1 Choose the correct answer:

1. The smallest unit of data is ....
   a. bit b. byte c. gigabyte

(محافظة البحيرة – إدارة دمنهور 2023) (محافظة الإسكندرية – إدارة شرق التعليمية 2023)

2. .... is used to store or transfer files and data between computers.
   a. HDMI b. The CPU c. Flash memory

3. .... is the same as a hard disk drive, but it runs faster.
   a. An external hard disk b. Flash memory c. Router

4. .... is a device that connects a computer to the internet via Wi-Fi.
   a. HDMI b. A router c. An ethernet port

(محافظة الإسكندرية – إدارة شرق التعليمية 2023) (محافظة الجيزة – إدارة الشيخ زايد 2023)

5. .... is a cable that transfers audio and video to and from devices.
   a. An ethernet cable b. HDMI c. A router cable

6. Network or internet speed is measured in ....
   a. GHz b. Mbps c. Gb

محافظة الإسكندرية – إدارة وسط 2023

7. .... measures the number of cycles your CPU carries out per second.
   a. Gigahertz b. Mbps c. Byte

8. .... is a cable that connects a computer to a router.
   a. HDMI b. An ethernet cable c. An external hard

9. The word 'apple' takes .... to represent it in a computer system.
   a. 5 bits b. 8 bits c. 5 bytes

10. The reason your home internet connection is not working is because ....
   a. there is no enough space
   b. there is no enough graphic storage
   c. the connection was interrupted

محافظة الإسكندرية – إدارة شرق التعليمية 2023

11. Byte is equal to .... bit(s).
   a. 1024 b. 1 c. 8

12. One of the measurement units is the Megabyte (Mb), which is equal to ....
   a. 1024 bytes b. 1024 kilobytes c. 1024 megabytes

محافظة الإسكندرية –إدارة المنتزه ثان 2023

13. When you are not able to store files, this means that ....
   a. there is no enough graphics storage
   b. the connection is lost
   c. there is no enough space

14. Which problem would you use an ethernet cable to solve?
   a. Not able to store files.
   b. A poor video conference connection.
   c. Trouble processing large files.

15. Which one represents the correct arrangement of these measuring units of a computer (from the biggest to the smallest)?
   a. Terabyte - megabyte - gigabyte
   b. Byte - kilobyte - megabyte
   c. Megabyte - kilobyte – byte

2 Put (✓) or (✗):

1. A byte is the smallest storage unit to store data. ( )

حافظة الجيزة – إدارة العمرانية 2023

2. We use flash memory to store, transfer, and share information online. ( )
3. Gigahertz (GHz) is used to measure network speed. ( )
4. An Ethernet cable connects computers to the router. ( )

حافظة الجيزة – إدارة أبو النمرس 2023

5. Kilobyte (KB)= 1024 bytes. ( )

حافظة الفيوم – إدارة شرق 2023

6. The word 'ICT' takes 3 bits to store in a computer. ( )
7. Ethernet ports are more stable and faster than Wi-Fi. ( )
8. An ethernet cable transmits audio and video to and from devices. ( )

حافظة البحر الأحمر – إدارة الغردقة 2023

9. The more cycles that the CPU performs, the faster data can be processed. ( )
10. Gigabytes are used to measure the number of cycles executed by the CPU. ( )
11. Not having enough space can cause problems when handling large files. ( )
12. Giga byte =1204 kilobytes. ( )

حافظة الجيزة – إدارة الشيخ زايد 2023

13. External hard drive, like the HDD but much faster. ( )

حافظة الشرقية – إدارة شرق الزقازيق 2023

14. HDMI is a wire that connects a computer or laptop with the router. ( )
15. Both external hard disk and flash memory are used for the same purpose. ( )

حافظة الدقهلية – الإدارة التعليمية 2023

16. To solve the problem of not having enough space, you can move some files to an external drive ( )

17. To solve the problem of your home internet not working, you can use an ethernet cable or contact your internet service provider. ( )

3 Complete the missing parts using the words between the brackets:

(flash memory - HDMI - An ethernet cable - A router)

1. A .... stores information.
2. .... connects your computer or laptop to the router.
3. .... connects the computer to the internet via Wi-Fi or ethernet.
4. .... is a cable that transmits audio and video to and from devices.

4 Choose from column (A) what suits it in column (B):

A

Column (A)	Column (B)
1 Byte	a. 1,024 kilobytes
2 Megabyte	b. 1,024 bytes
3 Gigabyte	c. 1,024 gigabytes
4 Kilobyte	d. 1,024 megabytes
	e. 8 bits

1 .... 2 .... 3 .... 4 ....

B

Column (A)	Column (B)
1 A poor video-conference connection	a. Shut down some programs.
2 Not able to store files	b. Try an ethernet connection
3 Not enough graphics storage	c. Move old files to an external drive.

1 .... 2 .... 3 ....

Exercises on Lesson 3

1 Choose the correct answer:

1. .... are groups of people or things that are connected to each other.
   a. Computers b. Networks c. Gateways

(محافظة الجيزة – إدارة العمرانية 2023) (محافظة الجيزة – إدارة أبو النمرس 2023)

2. Computer .... connect(s) computers together to share important information.
   a. accessories b. networks c. hardware

3. To connect your computer to the internet, you need a ....
   a. network b. gateway c. flash memory

(محافظة الجيزة – إدارة العمرانية 2023) (محافظة الإسكندرية – إدارة شرق التعليمية 2023)

4. .... consists of a computer connected to a printer or a router.
   a. The internet b. The ethernet c. The LAN

5. A router is considered a/an ....
   a. famous browser b. antivirus software
   c. gateway for the internet

(محافظة المنوفية – إدارة السادات 2023) (محافظة الدقهلية – الإدارة التعليمية 2023)

6. A/An .... is a device that connects your computer to an ISP.
   a. ethernet cable b. router c. ethernet port

7. The .... is a network that connects computers and people using them from all around the world.
   a. information b. internet c. device

محافظة الجيزة – إدارة أبو النمرس 2023

8. .... is a company that provides internet service to customers.
   a. An ISP b. A router c. WWW

9. .... is a part of the internet that has web pages and sites that people can visit.
   a. A LAN b. The intranet c. WWW

10. The.............................. is private and restricted to only those who are part of the business, school, or organisation with which they are connected.
    a. internet b. intranet c. LAN

11. A school's computer lab is an example of ....
    a. the internet b. an open network c. a closed network

12. .... is available for free to all Egyptians who register on the site.
    a. The EKB b. Google Chrome c. Wikipedia

13. The web is an example of ....
    a. an open network b. a closed network c. a LAN

14. WWW is part of the internet that has .... that people can navigate.
    a. LAN b. a closed network c. web pages

15. A .... is a long connector that transmits data or power between devices.
    a. flash memory b. router c. cable

16. .... is a slow connection that doesn't allow you to use the phone when using the internet.
    a. Dial-up b. DSL c. WWW

17. .... allows you to access the internet from anywhere on your smartphone.
    a. WWW b. Hotspot c. Bluetooth

18. .... allows the phone and the internet to be used simultaneously.
    a. Dial-up internet connection
    b. Digital subscriber line (DSL)
    c. World Wide Web

Theme 1

2 Put (✓) or (✗):

1. The internet is more secure and private than the intranet. (   )
محافظة الفيوم – إدارة شرق 2023
2. Computer networks connect computers to each other to share information and data. (   )
3. A LAN is a wide area network. (   )
محافظة الفيوم – إدارة شرق 2023
4. A local area network (LAN) is a network that connects computers from all over the world. (   )
5. To connect a computer to the internet, you need a router. (   )
6. A cable is a long connector that transfers data or power between devices. (   )
7. To connect a computer to the internet, a gateway must be used. (   )
8. WWW is a short form for the World Wide Web. (   )
محافظة الجيزة – إدارة العمرانية 2023
9. The World Wide Web (WWW) is a part of the intranet. (   )
10. Hotspot appeared after the year 2000. (   )
11. The internet is a private network that is restricted to some people. (   )
12. A school's computer lab could have its own closed network. (   )
محافظة الجيزة – إدارة أبو النمرس 2023
13. Hotspot allows you to access the internet from anywhere on your smartphone. (   )
14. The Egyptian Knowledge Bank is available for free to Egyptians. (   )
محافظة الفيوم – إدارة شرق 2023

Lesson 3

3 Complete the missing parts using the words between the brackets:

(WWW – A router – DSL – An ISP – A LAN – The EKB)

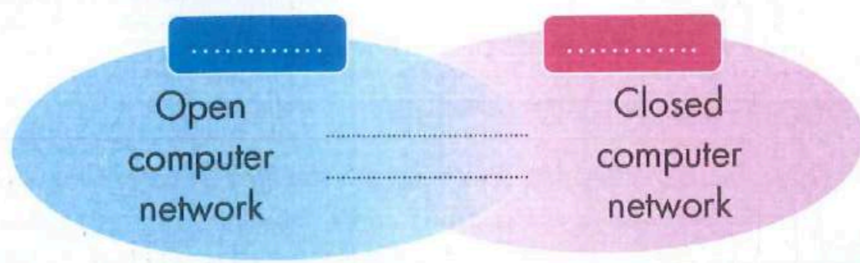
1. .... enables you to connect your laptop to the internet.
2. .... consists of one computer connected to a printer or a router.
3. .... is a part of the internet network, made up of web pages and sites.
4. .... is the internet service provided by Egyptian companies to citizens.
5. .... is available for free to all Egyptians who register on the site.
6. .... allows the phone and the internet to be used simultaneously.

4 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 A router	a. is a part of the internet network, is made up of web pages and sites
2 The internet	b. is a computer network between some people in the same work.
3 The intranet	c. connects your computer to an ISP.
4 WWW	d. is a computer network between people all over the world.

1 .... 2 .... 3 .... 4 ....

5 Complete the following diagram:



Exercises on Lesson 4

1 Choose the correct answer:

1. The .... consists of devices linked to the internet via Wi-Fi.
   a. CPU b. IoT c. DSL
2. The technology that connects wireless mobile devices over a short range to form a network is called ....
   a. Bluetooth b. WWW c. intranet
   محافظة الإسكندرية – إدارة شرق التعليمية 2023
3. Online buying and selling is known as ....
   a. Word b. e-commerce c. PowerPoint
   محافظة الفيوم – إدارة شرق 2023
4. To share .... information, you can use open networks.
   a. private b. personal c. public
5. Businesses and organizations use .... networks to share private information.
   a. open b. closed c. public
6. Bluetooth is a networking technology that connects wireless mobile devices over a .... range to form a network to transmit data.
   a. short b. long c. middle
   محافظة الإسكندرية – إدارة المنتزه ثان 2023
7. People of determination use.............................. to help them with shopping.
   a. e-commerce b. mouse c. file
   محافظة الإسكندرية – إدارة العجمي 2023
8. Visually impaired people can use .... for doing their homework.
   a. Bluetooth b. screen readers c. Zoom
9. Braille method allows blind people to ....
   a. write b. read c. both a and b
10. You can use .... applications to buy anything on the internet.
    a. browser b. braille c. e-commerce
    محافظة الدقهلية – الإدارة التعليمية 2023

2 Put (✓) or (✗):

1. People communicate every day using computer networks. ( )
2. The digital washing machine is an example of the Internet of Things (IoT). ( )
   محافظة المنوفية – إدارة السادات 2023
3. Bluetooth is a network technology that works over long distances. ( )
   (محافظة الإسكندرية – إدارة وسط 2023) (محافظة الجيزة – إدارة الشيخ زايد 2023)
4. People of determination can communicate and follow their lessons online. ( )
5. You can't control home appliances connected to the internet remotely. ( )
6. Braille makes it more difficult to read for people of determination. ( )
   محافظة الجيزة – إدارة العمرانية 2023
7. Braille helps blind students read and write their homework. ( )
8. Always ask permission from your parents before buying anything online. ( )
9. It is difficult for household appliances to be part of a network. ( )
10. The Internet of Things is a network technology that connects wireless mobile devices via short range. ( )

3 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1 A digital refrigerator	a. is used by blind people to read.
2 Screen readers	b. is used to sell your smartphone online.
3 Braille	c. is an example of IoT.
4 E-commerce	d. are used by people of determination to write research.

1 .... 2 .... 3 .... 4 ....

Exercises on Lesson 5

1 Choose the correct answer:

1. Mr. Hiebert uses emails and .... to share his discoveries with his colleagues.
   a. Facebook b. MS Word c. video conferences
2. The first step in solving a problem is ....
   a. identifying the problem
   b. studying solutions c. thinking of ways to solve it

محافظة الدقهلية – الإدارة التعليمية 2023

3. When the browser is running slowly, you have to ....
   a. delete unwanted apps b. check the Wi-Fi signal
   c. check your keyboard
4. If there is no internet connection, ...
   a. check that the router is connected
   b. delete unwanted apps
   c. check the internet speed

محافظة الجيزة – إدارة الشيخ زايد 2023

5. One of the solutions to the problem of slow loading is to ....
   a. download software b. update software
   c. restart the computer

محافظة الإسكندرية – إدارة المنتزه أول 2023

6. The solution to the problem of slow downloads is to ....
   a. check the internet speed
   b. delete unwanted apps c. update the app

محافظة الإسكندرية – إدارة شرق التعليمية 2023

7. Check for software updates when ....
   a. there is no internet connection
   b. downloading a file is very slow
   c. the computer slows down when opening an app

8. Try a new ethernet cable when ....
   a. there is no internet connection
   b. the screen freezes
   c. the computer slows down when opening an app
9. You can contact the customer service of your ISP for help when ....
   a. the internet connection is interrupted
   b. the browser is running slowly
   c. an app doesn't open

2 Put (✓) or (✗):

1. Mr. Hiebert uses emails to share his discoveries with his colleagues. ( )
2. You should follow the troubleshooting process to solve computer problems. ( )
3. Identifying the problem is the last step in solving computer problems. ( )
4. PowerPoint is a Microsoft program used for making presentations. ( )
5. You can use software to check your internet connection. ( )
6. If your home internet is not working, you can close some programs to solve the problem. ( )
7. We should regularly check for software updates to avoid software problems. ( )
8. If the idea you have doesn't solve a problem, it may contribute to solving another problem. ( )
9. Restarting the router is one of the ways to solve the slow download problem. ( )
10. One of the solutions to the problem of a slow computer when opening an app, is to delete the app. ( )

3 Arrange the following steps:

a (..........................) Plan different ways to solve the problem.

b (..........................) Go through your potential solutions.

c (..........................) Ask your teacher or a member of your family for help.

d (..........................) Which solution worked?

e (..........................) Identify the problem.

4 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
Problem	Solution
1 No internet connection	a. Delete unwanted apps.
2 The browser running slow	b. Restart your router.
3 The computer slows down when opening an app	c. Check the Wi-Fi signal.

1 .... 2 .... 3 ....

Exercises on Lesson 6

1 Choose the correct answer:

1. A .... helps us access information by scanning it with a phone camera.
   a. QR code b. printer c. router

محافظة الجيزة – إدارة الشيخ زايد 2023

2. To store and share information, we use the ....
   a. scanner b. printer c. flash memory

3. A .... is used to save images on a computer to use later.
   a. scanner b. printer c. router

4. .... folders help us manage files using ICT tools.
   a. Creating b. Deleting c. Copying

5. The first step that helps you organize data on your computer is to ....
   a. add a sub-folder b. name the folders
   c. create the main folder

6. The .... is used to enter images and files on the device.
   a. keyboard b. printer c. scanner

محافظة الدقهلية – الإدارة التعليمية 2023

7. Select "............................" from the shortcut menu to create a new folder.
   a. Paste b. Copy c. New

محافظة الإسكندرية – إدارة المنتزه أول 2023

8. To open a folder, select "............................" from the shortcut menu.
   a. Open b. Folder c. New

9. To change the title of a folder, you can use the "......................" command.
   a. New b. Open c. Rename

10. To create a main folder, press the .... button of the mouse, then select New, Folder.
    a. right   b. left   c. none of them

2 Put (✓) or (✗):

1. A QR code is used to get information quickly and easily. (   )
محافظة المنوفية – إدارة السادات 2023
2. We use a scanner to save images to use later. (   )
محافظة الجيزة – إدارة أبو النمرس 2023
3. We can use the digital camera to transfer and share files. (   )
4. ICT tools help us manage digital files. (   )
5. You can add a main folder inside sub-folders to manage files. (   )
محافظة المنوفية – إدارة السادات 2023
6. We can give a name to a folder by right click then rename. (   )
محافظة الجيزة – إدارة الشيخ زايد 2023
7. Data must be organized on the computer for easy retrieval. (   )
محافظة الإسكندرية – إدارة المنتزه أول 2023
8. A printer is used to save images on the computer to use later. (   )
9. Adding sub-folder inside the main folder is not allowed by the operating system. (   )
محافظة الجيزة – إدارة العمرانية 2023
10. The main folder contains sub-folders and files. (   )
محافظة الإسكندرية – إدارة المنتزه ثان 2023
11. To change the title of a folder, choose the "Delete" command. (   )
محافظة الفيوم – إدارة شرق 2023
12. An operating system does not allow you to add a subfolder inside a main folder. (   )
محافظة الإسكندرية – إدارة وسط 2023

3 Arrange the following steps:

a. (..............................) Type a name for the main folder (Books).
b. (..............................) Add sub-folders.
c. (..............................) Put the books in the correct files.
d. (..............................) Type the name of the folders (Science - Math - History).
e. (..............................) Create the main folder.

4 Complete the missing parts using the words between the brackets.

(QR codes – scanner – computers – flash memory – camera – Libraries)

1. A .... helps us store and transfer data and information.
2. A .... helps us get images, while a .... helps us save it on computer.
3. .... contain printed books, while .... contain digital books.
4. .... help us access the information by scanning it with a phone camera.

5 Choose from column (A) what suits it in column (B):

Column (A)	Column (B)
1. A digital camera	a. helps us enter and store images into a computer.
2. A QR code	b. is used to analyze and graph information.
3. A scanner	c. takes pictures and video during video chats.
4. Excel	d. is a quick and easy way to share information.

1 .... 2 .... 3 .... 4 ....

General Exercises
On Lesson 2



▸ If you got 🔴 you need to revise the lesson again.

قم بتقييم نفسك بالعلامات الموضحة وإذا حصلت على 🔴 [غير جيد] قم بمراجعة الدرس مرة أخرى من الصفحة السابقة.

🔵 ممتاز 🟢 جيد جدا 🟡 جيد 🔴 غير جيد

1. Previous Exams تدريبات من الامتحانات السابقة

1 Put (✓) in font of correct sentence and (x) in front of the wrong one.

1. External Hard Drive is like an HDD but much faster. ( ) [القاهرة - إدارة التبين]
2. There are no solutions for computer issues. ( ) [القاهرة - إدارة المعصرة]
3. Ethernet is more stable and faster than Wi-Fi. ( ) [المنيا - إدارة المنيا]
4. A gigabyte unit of measure is equal to 2024 bytes. ( ) [الإسماعيلية - إدارة المديرية التعليمية]
5. A Kilobyte is a unit of measure for network speed. ( ) [المنوفية - قويسنا]
6. A Bit is the smallest unit of measurement for storing data. ( ) [الجيزة - أوسيم]

2 Choose the correct answer from a, b, c or d.

1. .... is the smallest unit of data inside a computer. [القاهرة - إدارة المطرية]
   a. Gigabyte b. Byte c. Bit d. Megabyte
2. To write the word 'apple' you need .... to represent it in a computer system. [المنيا - سمالوط] [بنها - توجيه الكمبيوتر]
   a. 5 bits b. 8 bits c. 5 bytes d. 8 bytes
3. A device that connects a computer to the internet via Wi-Fi is .... [إسكندرية - شرق]
   a. flash memory b. router c. HDD d. HDMI
4. .... is used to restore or transfer files and data between computers. [الأقصر - الأقصر]
   a. HDMI b. CPU c. Flash memory d. Router

3 Complete the following statements with appropriate words in brackets.

(flash memory - HDMI - router - Mbps)

1. A .... connects the computer to the internet via Wi-Fi or ethernet. [القاهرة - شرق مدينة نصر]
2. .... is a cable that transmits audio and video from / to devices. [القاهرة - غرب مدينة نصر]
3. A computer accessory used to store information is .... [الإسماعيلية - إدارة الإسماعيلية]
4. Internet speeds are also much faster with .... connection. [الإسماعيلية - إدارة توجيه الكمبيوتر التعليمي]

4 Match.

(A)	(B)
1. External Hard Drive is [سوهاج - إدارة جهينة]	☐ a. that measures speed.
2. GHz is a unit of measurement [سوهاج - طهطا]	☐ b. defining the problem.
3. The first step when solving a problem is [سوهاج - إدارة جهينة]	☐ c. used to create backup copies of your business.

2. El-Moasser Exercises تدريبات كتاب المعاصر

5 Choose the correct answer from a, b, c or d.

1. .... is like an HDD (Hard Disk Drive) but much faster.
   a. Router b. External Hard Drive c. Cable d. DVD
2. The .... is more stable and faster than Wi-Fi.
   a. Flash memory b. External Hard Drive c. Ethernet d. DVD
3. .... is a cable that transmits audio and video from/to devices.
   a. Router b. HDMI c. Ethernet d. CD
4. The .... is a device that connects a computer to the internet via Wi-Fi or ethernet.
   a. Router b. External Hard Drive
   c. Cable d. Internet Hard Drive
5. .... is the smallest unit of data.
   a. Bit b. Kilobyte c. Megabyte d. Terabyte
6. To store the word (wood) on the computer, we need .... bytes.
   a. 3 b. 4 c. 5 d. 8
7. 1 Byte equals .... bits.
   a. 8 b. 10244 c. 16 d. 82
8. 1 Gigabyte equals ....
   a. 1,024 MB b. 1,024 GB c. 1,024 TB d. 1,204 B
9. 1 Kilobyte equals ....
   a. 1,024 MB b. 1,024 B c. 8 Bits d. 2,204 MB
10. .... measures the number of cycles your CPU carries out per second.
    a. Mbps b. GHz c. 8 Bits d. Byte
11. .... measures the speed of a network or internet connection.
    a. Mbps b. GHz c. 8 Bits d. Byte

6 Put (✓) in front of correct sentence and (x) in front of the wrong one.

1. (Mbps) is used to measure the number of cycles your CPU carries out per second. ( )
2. To solve the problem of poor network connectivity during a video conference, you can use the wired ethernet network. ( )

3. 1 Kilobytes equals 8 bits. ( )
4. The flash memory is used to store data and move it to another computer. ( )
5. The ethernet cable connects the computer to monitor. ( )
6. To solve the problem of not being able to store files, we transfer old files to an external storage unit. ( )
7 We need three bytes to store the word "cat" on the computer. ( )

7 Match.

(A)		(B)
1. Equals 8 Bits	☐	a. Stands for "GigaHertz"
2. Mbps	☐	b. 1 Byte
3. GHZ	☐	c. measures the speed of internet

8 Complete the following sentences with appropriate words in brackets.

(Terabyte - Mbps - HDMI - Ethernet cable - Router)

1. .... is the device that connects a computer to the internet via Wi-Fi or ethernet.
2. .... stands for (high-definition multimedia interface).
3. .... measures the speed of a network.
4. 🕮 .... equals 1,024 (GB)
5. .... a cable that connects a computer or laptop to a router.

9 🕮 Rearrange the following units of measurement from the smallest to largest.

a. Terabyte ( )
b. Megabyte ( )
c. byte ( )
d. bit ( )
e. Kilobyte ( )
f. Gigabyte ( )

10 Read and write the name of the app or tool.

1. It is more stable and faster than Wi-Fi. (..................)
2. A cable that transmits audio and video from/to devices. (..................)
3. 🕮 A device that connects a computer to the internet via Wi-Fi or ethernet. (..................)
4. The smallest unit of data. (..................)
5. It measures the speed of a network or internet connection. (..................)

قم بتلوين الدائرة باللون المناسب لمستواك. ◯



Accumulative Test

On Lessons 1 & 2

اختبار تراكمى على الدرس الأول والثانى

1 Choose the correct answer from a, b, c or d.

1. A .... is the smallest unit of data.
   a. Bit b. Kilobyte c. Megabyte d. Byte
2. 🕮 Fred Hiebert uses .... to prepare presentation.
   a. PowerPoint b. Excel c. Word d. WhatsApp
3. The .... is like an HDD (Hard Disk Drive) but much Faster.
   a. Router b. External Hard Drive
   c. Cables d. HDMI
4. 🕮 The .... is a device that connects a computer to the internet via Wi-Fi or ethernet.
   a. router b. external Hard Drive
   c. cable d. flash memory
5. To store the word (Cat) on the computer, we need .... bytes.
   a. 3 b. 6 c. 5 d. 8

2 Put (✓) in front of correct sentence and (✗) in front of the wrong one.

1. Mbps is used to measure the number of cycles your CPU carries out per second. ( )
2. 🕮 Mentoring is advising someone on a subject you have experience in. ( )
3. To solve the problem of poor network connectivity during a video conference, you can use the wired ethernet network. ( )
4. Sharing information is not important in our day-to-day lives. ( )
5. The ethernet cable connects computer to monitor. ( )

3 Read and correct words between brackets.

1. (GHZ) is a device that connects a computer to the internet via Wi-Fi or ethernet. (..................)
2. 🕮 A (Kilobyte) measures the speed of a network or internet connection. (..................)
3. A (Gigabyte) GB equals 1024 KB. (..................)

يمكنك المراجعة باستمرار (تراكمية)
من خلال الصفحة السابقة.

General Exercises

On Lesson 3

▸ If you got 🔴 you need to revise the lesson again.

قم بتقييم نفسك بالعلامات الموضحة وإذا حصلت على 🔴 (غير جيد) قم بمراجعة الدرس مرة أخرى من الصفحة السابقة

🔵 ممتاز 🟢 جيد جدا 🟡 جيد 🔴 غير جيد

1. Previous Exams تدريبات من الامتحانات السابقة

1 Put (✓) in front of the correct sentence and (×) in front of the wrong one.

1. Egyptian Knowledge Bank (EKB) is available for free to all Egyptians who register on the site. [القاهرة - المعصرة] ( )
2. The internet is not different from the intranet. [إسماعيلية - توجيه الكمبيوتر] ( )
3. "EKB" is a reliable source of knowledge. [الجيزة - الدقي] ( )
4. To connect a computer to the internet, gateways should be used. [الجيزة - البدرشين] ( )
5. The internet is a type of network. [سوهاج - طهطا] ( )
6. The internet is used to share over the web. [الجيزة - أبو النمرس] ( )
7. A school's computer lab could have its own closed network. [الجيزة - أبو النمرس] ( )
8. In late 80s phone lines are used to connect to internet (couldn't use phone when on internet). [الدقهلية - منية النصر] ( )

2 Choose the correct answer from a, b, c or d.

1. An intranet is used to share in a .... and is more secure. [القاهرة - المطرية]
   a. online b. closed network c. open network d. internet
2. The World Wide Web (WWW) is .... the internet. [القاهرة - الشروق]
   a. all b. not related c. part of d. none of them
3. School's computer lab is an example for .... [إسكندرية - شرق]
   a. open network b. closed network c. non of them d. both of them
4. .... network is used to share information and less secure.
   [المنوفية - السادات] [القاهرة - غرب القاهرة] [بنها - توجيه الكمبيوتر] [السويس - السويس]
   a. E-mail b.Internet c. Intranet d. Closed
5. Internet is a type of .... network. [الجيزة - 6 أكتوبر]
   a. closed b. family c. open d. intranet
6. .... are groups of people, or things, that are connected to each other for a common purpose. [الجيزة - العمرانية]
   a. Computers b. Networks c. Gateways d. Routers
7. .... is a gateway to access the internet. [القاهرة - الساحل]
   a. Mobile b. Router
   c. Router and ISP d. None of them

3 Complete the following sentences with the appropriate words in brackets.

(EKB - Internet - WWW - closed - Intranet)

1. .... consists of web pages linked to each other using hyperlinks. [القاهرة - شرق]
2. .... is available for free to all Egyptians who register on the site. [المنيا - مطاى]
3. The network inside the computer lab in the school is considered a .... internet [المنوفية - قويسنا]
4. .... is a global information sharing network, less secure. [البحيرة - الدلنجات]
5. .... is a private and closed network limited to the people you have in business. [الدقهلية - ميت غمر]

4 Match.

(A)	(B)
1. Internet [سوهاج - إدارة جهينة]	☐ a. is used to connect a computer to the internet.
2. Gatway [سوهاج - طهطا]	☐ b. A network that connects computers and users of that network from all over the world.
3. Intranet	☐ c. is a private and closed network.

2. El Moasser Exercises تدريبات كتاب المعاصر

5 Choose the correct answer from a, b, c or d.

1. .... is a long connector that transmits data or power between devices.
   a. Ethernet cable b. LAN c. Open network d. Closed network
2. .... is a part of the internet network, made up of web pages that people can navigate.
   a. Web site b. WWW c. Intranet d. http
3. To connect your computer to the internet, you need a/an ....
   a. gateway b. ISP c. both (a) and (b) d. none of them
4. .... is an abbreviation of Internet Service Provider.
   a. ESP b. ISP c. ASP d. http
5. Computer networks connect computers with each other, to share important ....
   a. data b. information
   c. none of them d. both (a) and (b).

6 Put (✓) in front of the correct sentence and (×) in front of the wrong one.

1. To connect your computer to the internet, you need a gateway. ( )
2. The company that provides internet to the society is called ISP. ( )
3. EKB site is available for free to all Egyptians. ( )
4. The Network LAN refers to the global network that connects computers all over the world. ( )
5. To connect to the internet, you need a Router and an ISP. ( )

7 Complete the following sentences with the appropriate words in brackets.

(Ethernet Cable - WWW - Computer network - Router - EKB)

1. .... is a cable that connects a computer or laptop to a router.
2. .... stands for World Wide Web.
3. .... is available for free and provides reliable information.

8 Match.

(A)	(B)
1. Part of the internet, made up of web pages and websites	☐ a. Internet
2. Connects computers all over the world	☐ b. LAN
3. is the connection between two or more computers to exchange data and information	☐ c. WWW
	☐ d. Network

9 Read and correct the mistake between brackets.

1. (LAN) are groups of people, or things, that are connected to each other for a common purpose. (..................)
2. We use the network (Internet) to connect printers among the network sets. (..................)
3. (WWW) stands for Internet Service Provider. (..................)

10 Rearrange How communication via computer and communication devices has advanced.

a. Digital subscriber line (DSL). ( )

b. Emergence of the world wide web (www). ( )

c. Dial-up internet connection. ( )

d. Wi-Fi devices and HOTSPOTS allow you to access the internet any where. ( )

قم بتلوين الدائرة باللون المناسب لمستواك. ○



General Exercises
On Lesson 4

▶ If you got 🔴 you need to revise the lesson again.

قم بتقييم نفسك بالعلامات الموضحة وإذا حصلت على 🔴 [غير جيد] قم بمراجعة الدرس مرة أخرى من الصفحة السابقة.

ممتاز | جيد جدا | جيد | غير جيد

1. Previous Exams تدريبات من الامتحانات السابقة

1 Put (✓) in front of the correct sentence and (×) in front of the wrong one.

1. Bluetooth is a networking technology that connects wireless devices over a long range. [القاهرة - الزيتون] ( )
2. Braille makes it more difficult to read for people of determination. [الجيزة - ٦ أكتوبر] ( )
3. Digital washing machine is an example of the internet of things. [المنوفية - قويسنا] ( )
4. Always ask your parents before buying anything online. [المنيا - المنيا] ( )

2 Choose the correct answer from a, b, c or d.

1. The .... is used for the visually impaired to get audio feedback. [القاهرة - المطرية]
   a. bluetooth b. scanner c. screen readers d. E-commerce
2. Braille method allows blind people to .... [المنيا - المنيا]
   a. write b. read c. speak d. none of them
3. The connection of the washing machine to an application on the mobile is called .... [الشرقية - غرب الزقازيق]
   a. internet development b. mobile development
   c. internet of things d. computer networks
4. .... are an example of the internet of things. [الدلنجات - البحيرة]
   a. Bluetooth speakers b. Screen reader
   c. Computer networks d. Mobile devices
5. Visually impaired can use .... for doing schoolwork online. [البحيرة - إيتاى البارود]
   a. bluetooth speakers b. mobile devices
   c. screen readers d. none of them
6. The technology that connects wireless mobile devices over a short range to form a network is called .... [الإسكندرية - شرق التعليمية]
   a. router b. share it c. bluetooth d. scanner
7. We communicate using .... every day. [الجيزة - ٦ أكتوبر]
   a. bluetooth speakers b. computer networks
   c. screen readers d. all of them

3 Complete the following sentences with the appropriate words in brackets.

(Interanet - Internet of Things - Bluetooth)

1. Devices linked to the internet and controlled through applications via Wi-Fi are called .... [سويف - سمسطا]
2. .... is the technology that connects wireless mobile devices over a short range. [فهلية - ميت غمر]

4 Match.

(A)		(B)
1. "EKB" is for [المنيا - مطاى]	☐	**a.** World Wide Web
2. "WWW" is for [المنيا - مطاى]	☐	**b.** is used by blind person to read.
3. Braille [سوهاج - المنشأة]	☐	**c.** the Egyptian Knowledge Bank.
4. E-commerce [البحيرة - التحرير]	☐	**d.** is used to sell your smartphone online.

2. El Moasser Exercises تدريبات كتاب المعاصر

5 Choose the correct answer from a, b, c or d.

1. These are from the IOT (Internet of Things) devices ....
   a. digital refrigerators b. watches
   c. cars d. none of them
2. .... is a networking technology that connects wireless mobile devices over a short range to form a network.
   a. Bluetooth b. E-mail c. Hotspot d. Open network
3. Businesses and organizations use networks every day to share private information, through .... network
   a. open b. global c. closed d. public
4. The IOT (Internet of Things) consists of devices linked to the internet via ....
   a. Wi-Fi b. global c. closed d. public
5. Computer networks give people of determination more independence. This independence helps to ....
   a. save time b. save money c. both (a) and (b) d. none of them

6 Put (✓) in front of the correct sentence and (×) in front of the wrong one.

1. We can't control the IOT devices. ( )
2. Digital washing machine is considered one of the ICT devices. ( )
3. E-commerce makes life so much easier for everyone. ( )
4. IOT is a networking technology that connects wireless mobile devices over a short range. ( )
5. EKB stands for Egyptian Knowledge Phone. ( )

7 Complete the following sentences with the appropriate words in brackets.

(Internet of Things - Bluetooth - communicate - Bluetooth speakers)

1. .... connects wireless mobile devices over a short range.
2. We .... using computer networks every day.
3. Household items can be part of a network, too. This is called ....

8 Read and write the name of the app or tool.

1. A large set of web pages that are linked to each other using hyperlinks. (...................)
2. The IOT (Internet of Things) consists of devices linked to the internet via. (...................)
3. Means selling or buying via internet. (...................)
4. The visually impaired student can use it to do schoolwork online. (...................)
5. Household items can be part of a network, too. This is called. (...................)

قم بتلوين الدائرة باللون المناسب لمستواك. ◯



Accumulative Test

On Lessons 1, 2, 3 & 4



اختبار تراكمي على الدروس من الأول للرابع

1 Choose the correct answer from a, b, c or d.

1. The IOT (Internet of Things) consists of devices linked to the internet via ....
   a. Wi-Fi b. wireless c. EKB d. phones
2. .... is a long connector that transmits data or power between devices.
   a. Ethernet cable b. LAN c. Open network d. Wi-Fi
3. .... is a high-speed connection that uses the same home phone wires and the phone and the internet are used simultaneously.
   a. DSL b. EDSL c. WWW d. EKB
4. .... is an abbreviation of Internet Service Provider.
   a. ESP b. ISP c. ASP d. None of them
5. A school's computer lab is considered .... network.
   a. open b. global c. closed d. Wi-Fi

2 Put (✓) in front of the correct sentence and (×) in front of the wrong one.

1. Asking your parents is important before using the internet for buying any product online. ( )
2. IOT is a networking technology that connects wireless mobile devices over a short range. ( )
3. Cable is a long connector that transmits data or power between devices. ( )
4. "EKB" stands for Egyptian Knowledge Bank. ( )

3 Read and circle the correct one.

1. When using the internet, the (wi-Fi - ethernet), is more stable and faster than (Wi-Fi - ethernet).
2. (External Hard Drive - Flash memory) is like an HDD (Hard Disk Drive) but much faster.

يمكنك المراجعة باستمرار (تراكمية) من خلال الصفحة السابقة.

General Exercises
On Lesson 5

▸ If you got 🔴 you need to revise the lesson again.

قم بتقييم نفسك بالعلامات الموضحة وإذا حصلت على 🔴 (غير جيد) قم بمراجعة الدرس مرة أخرى من الصفحة السابقة.

🔵 ممتاز 🟢 جيد جدا
🟡 جيد 🔴 غير جيد



1. Previous Exams تدريبات من الامتحانات السابقة

1 Put (✓) in front of the correct sentence and (✗) in front of the wrong one.

1. One of possible reasons for slow downloads is the internet speed. ( )
[القاهرة - الزيتون]
2. Identifying the problem is the last step in solving computer problems. ( )
[المنيا - سمالوط]

2 Choose the correct answer from a, b, c or d.

1. Mr. Hiebert used ………… to share his discoveries with his colleagues.
[القاهرة - البطريركية]
   a. Excel b. Word c. video conference d. PowerPoint
2. To solve the problem of slowing down on your computer, ………… . [الشرقية - الزقازيق]
   a. turn off the device and restart it b. restart your router
   c. connect the printer d. both (a) and (b)
3. One of the possible solutions to overcome the slow running of an application on the device is to ………… . [الشرقية - غرب الزقازيق]
   a. restart the device b. check software update
   c. all of them c. delete unwanted apps
4. When there isn't an internet connection, we should ………… . [الشرقية - ههيا]
   a. check software uploads b. check internet speed
   c. check router connection d. shut down the device

3 Complete the following sentences with the appropriate words in brackets.

(letters - video conferencing - identify the problem)

1. The first step to solve a problem is to ………… . [الجيزة - كرداسة]
2. Fred Hiebert uses emails and ………… to share with his colleagues. [الجيزة - ٦ أكتوبر]

2. El Moasser Exercises تدريبات كتاب المعاصر

4 Choose the correct answer from a, b, c or d.

1. To solve a problem, the first step you should do is to ………… .
   a. identify the problem b. plan the problem
   c. delete the problem d. define the inputs

2. To solve the problem of computer slows down when opening an app, you can ....
   a. shut down and restart it
   b. check for software updates
   c. both (a) and (b)
   d. none of them
3. When the Browser running slow, you can ....
   a. check Wi-Fi signal
   b. restart computer
   c. shut down the computer
   d. replace the computer

5 Put (✓) in front of the correct sentence and (×) in front of the wrong one.

1. When there isn't an internet connection, it's good to restart your router. ( )
2. When you have a slow download, update the apps. ( )
3. Mr. Hiebert uses video conferencing to share his discoveries with others. ( )

6 Complete the following sentences with the appropriate words in brackets.

(speed - troubleshooting - Restart the router- Word and Excel)

1. When you want to download a video, check the internet ....
2. .... in case of no internet connection.
3. Follow some .... processes to solve computer problems.
4. .... , ... and PowerPoint are from the ICT tools that Mr. Hiebert uses .

7 Read and write the name of the app or tool.

1. Fred Hiebert uses it to make presentation about his discoveries. (...................)
2. To solve a problem, the first step you do is. (...................)
3. When the Browser running slow, you can do this. (...................)
4. Check that the router is connected; in case of. (...................)

8 Rearrange the following steps when solving a problems.

a. Think about the plan different ways. ( )
b. Identify the problem which solution worked. ( )
c. Which solution worked. ( )
d. If you don't find a solution ask for help from teacher or a family members. ( )
e. Go through your potential solution to the problem. ( )

قم بتلوين الدائرة باللون المناسب لمستواك. ◯



General Exercises
On Lessen 6



▸ If you got 🔴 you need to revise the lesson again.

قم بتقييم نفسك بالعلامات الموضحة وإذا حصلت على 🔴 (غير جيد) قم بمراجعة الدرس مرة أخرى من الصفحة السابقة.

ممتاز 🟢 جيد جدا
جيد 🔴 غير جيد

1. Previous Exams تدريبات من الامتحانات السابقة

1 Put (✓) in front of the correct sentence and (×) in front of the wrong one.

1. QR code is used to get information faster. ( ) [القاهرة - الساحل]
2. You can add a main folder inside sub folder to manage files. ( ) [القاهرة - الخليفة والمقطم] [المنوفية - السادات]
3. To store and share information we use flash memory. ( ) [بني سويف - الواسطى]
4. QR helps to find information. ( ) [أسيوط - القصية]
5. A scanner is used to enter pictures and files to the computer. ( ) [الغربية - الغربية]
6. A keyboard can be used to insert images and save it for later use. ( ) [السويس - توصيه الكمبيوتر]

2 Choose the correct answer from a, b, c or d.

1. A command which is used to create new folder is .... [القاهرة - الزيتون]
   a. new b. rename c. name d. delete
2. .... is used to save images on a computer and use them later. [الاسماعيلية - الاسماعيلية]
   a. Scanner b. Printer c. Router d. Router
3. Files are stored using a .... [الجيزة - ٦ اكتوبر]
   a. flash memory b. microphone c. screen d. router
4. From computer accessories .... [الشرقية - غرب الزقازيق]
   a. flash memory b. scanner c. a & b d. none of them
5. You can organize files in computer by creating .... [الاسكندرية - العجمي]
   a. folders b. sub-folders c. scanner d. both (a) and (b)

3 Complete the following sentences with the appropriate words in brackets.

(New - name - folders - flash memory - scanner)

1. The new files on your devices can be organized using .... [القاهرة - الخليفة والمقطم]
2. .... is chosen from the short cut menu to create a new folder. [القاهرة - غرب مدينة نصر]
3. A .... is used to enter pictures and graphics into the computer and save them for later. [سوهاج - جهينة]
4. Information is stored to be shared using a .... [سوهاج - جهينة]
5. .... should be placed for each file to facilitate file management. [بني سويف - ناصر]

4 Match.

(A)		(B)
1. The main folder helps to (المنوفية - قويسنا)	☐	a. It is used to enter pictures into the computer and save them for later.
2. Scanner (سوهاج - جهينة)	☐	b. the results.
	☐	c. sub-folders to be added inside it.

2. El Moasser Exercises تدريبات كتاب المعاصر

5 Choose the correct answer from a,b,c or d.

1. The .... is used to store data and information.
   a. flash Memory b. screen c. mouse d. keyboard
2. To create a folder, right click then select .... then folder.
   a. Open b. New c. Save d. Print
3. 🕮 The .... is used to scan the image and store it on the computer.
   a. scanner b. printer c. keyboard d. mouse
4. Inside the main folder you can add ....
   a. files b. folders c. files and folders d. papers
5. .... code helps us to find information camera.
   a. QR b. QRR c. RQ d. Quick code
6. 🕮 To organize our files' we should .... each folder.
   a. name b. remove c. redo d. print
7. To create a folder, press .... click then select new then folder.
   a. left b. right c. top d. bottom

6 Put (✓) in front of the correct sentence and (×) in front of the wrong one.

1. A scanner helps us to access the images by saving it. ( )
2. 🕮 You can use camera to input images to your computer. ( )
3. A flash memory and hard disk are used to store data and information. ( )
4. The folders are used to organize files. ( )
5. You can't create folder on flash memory. ( )
6. After creating a folder, we press on Shift key. ( )
7. A screen is used to scan images and store them on the flash memory. ( )
8. 🕮 The ICT tools enable us to manage digital files. ( )
9. You can copy, cut and delete a folder and restore it. ( )

7 Match.

(A)	(B)
1. Scanner	☐ **a.** is used to organize files.
2. Folder	☐ **b.** helps us to input images.

8 Complete the following sentences with the appropriate words in brackets.

(scanner - Flash memory - Screen - Digital library)

1. We use a .... to input images to computer.
2. .... contains the digital books.
3. .... is used to display text, videos, and images.

9 Look at the files shown in the two figures below. Which file system is better organized? Explain why .





10 Read and write the name of the app or tool.

1. It is used to scan the image and store it on the computer. (....................)
2. It is used to store data and information. (....................)
3. After typing the folder name, press on it from the keyboard. (....................)
4. Are used to organize files. (....................)

11 Read and circle the correct one.

1. Inside the folder you can add sub (Files – Folders), but we can change the name of the folder using command (Rename – New name).
2. (QR code – Bluetooth) helps us to access the information by scanning with the mobile camera.



◯ قم بتلوين الدائرة باللون المناسب لمستواك.

Accumulative Test

On Lessons 1, 2, 3, 4, 5 & 6



اختبـار تراكمـي على الدروس من الأول للسادس.

1 Choose the correct answer from a, b,c or d.

1. A .... is used to store data and information.
   a. flash memory　b. screen　c. mouse　d. keyboard
2. To create a folder, right click then select .... then folder.
   a. Open　b. New　c. Save　d. Delete
3. Fred Hiebert uses .... to share his discoveries to others.
   a. e-mail　b. video conference　c. both (a) & (b)　d. none of them
4. To solve a problem, the first step you do is to ....
   a. identify the problem　b. plan the problem
   c. delete the problem　d. none of them
5. A .... is used to scan the image and store it on the computer.
   a. scanner　b. printer　c. keyboard　d. screen
6. To change the folder name, select the command ....
   a. name　b. rename　c. redo　d. delete

2 Put (✓) in front of the correct sentence and (×) in front of the wrong one.

1. QR (Quick Reader) helps us to access the information by scanning with the mobile camera. (　)
2. Screen is used to scan images and store it on the flash memory. (　)
3. From the possible solutions of the "slow to download" problem, use the software to troubleshoot your Wi-Fi connection, restart your router. (　)
4. The ICT tools enable us to manage digital files. (　)
5. Mr. Hiebert uses Excel program to make presentations. (　)

3 Read and write the name of the app or tool.

1. Is a long connector that transmits data or power between devices. (............)
2. Is a part of the internet network, made up of webpages that people can navigate. (............)
3. Is an abbreviation of Internet service provider. (............)
4. Is an abbreviation of Local Area Network. (............)

يمكنك المراجعة باستمرار (تراكمية)
من خلال الصفحة السابقة.

Lesson 02 Computer Accessories

Computer hardware components



Flash Memory: transfer files and data between computers.
External Hard Drive: Like HDD, but much faster.
Ethernet Cable: connects a computer or laptop to a router.
Ethernet Port: connect an ethernet cable, Ethernet is more stable and faster than Wi-Fi
Router: a device that connects a computer to the internet via ethernet or wi-fi
HDMI: ransmits audio and video from and to devices.



Units of measurements

Bit : the smallest unit of data .
Byte : 8 bits = 1 character
Kilobyte (kb) : 1 KB = 1024 B
Megabyte (MB) : 1 MB = 1024 KB
Gigabyte (GB) : 1 GB = 1024 MB
Terabyte (TB) : 1024 GB
Megabits per second(Mbps): Measures the speed of a network or internet connection
GigaHertz (GHZ): measures the number of cycles your CPU carries out per second.
NOTE : The higher the number of cycles, the faster the speed.



Potential computer problems and solutions :

PROPLEM	CAUSE & SOLUTION
1 - Trouble processing large files	Cause : not enough graphic storage . Solution : shutdown some programs .
2 - Not able to store files	Cause : Not enough space . Solution : slow wireless internet connection .
3 - A poor video – conference connection .	Cause : slow wirless internet connection . Solution : try an ethernet connection .
4 - The home internet connection not working	Cause : connection interrupted . Solution : use ethernet or contact ISP " internet service provider " .

Lesson 03 Networks

Networks: groups of people, or things that are connected to each other for a common purpose.



Types of computer Networks

Local Area Network (LAN):
consist of a computer connected to another computer or device, such as a printer or router.

Internet: connects millions of computers from all around the world.

To connect a computer to the internet, We need a gateway, such as a router.

Router: connects your computer to an ISP to provide internet access.

The ISP: a company that provides internet service to customers.

World Wide Web (WWW) is part of the internet network and is made up of web pages and sites that people can navigate

Intranet: It is private, and restricted to only those who are part of the business, school, or organization

Open Network: It is opened and accessible to all, such as The Web

Closed Network: It may only have computers linked by cable to allow file sharing, such as A school's computer lab

History of Communication technology

80s: They used phone line to connect to the internet, slow but stable

Late 80: DSL allows phone and the internet to be used simultaneously.

90s: Emergence of the World Wide Web (WWW)

2000+: Wi-Fi , Hotspots (allow internet access anywhere from your smartphone).

Lesson 04 Digital Communication tools

Ways that people can use networks to communicate

For people	For businesses & organizations
We communicate using computer networks every day , every time we use our phone to (send a text – buy something – take an online class – use an app or program)	they use Closed networks to share private information. they use Open networks to share public information.

Internet of Things (IOT)



consists of devices linked to the internet via Wi-Fi.

Bluetooth: a networking technology connects wireless mobile devices over a short range to form a network to transmit data between different devices.

- you should ask your parents before go online shopping.

Screen Readers helps visually impaired people to write research papers, do homework and access files and documents on PC.

Braille Method: helps blind people read and write.

E-commerce: Online shopping, where people can buy and sell products.



Lesson 05 Internet connection problems and solutions

Fred hiebert uses :



- **Word, Excel,** and **PowerPoint** to make presentations about his discoveries .
- **Email** and **video conferencing** to share them with colleagues.

Follow this troubleshooting process to help with computer problems:

1- Identify the problem.
2- Think about and Plan different ways you might solve the problem.
3- Go through your potential solutions to the problem .
4- Whish solution worked ?
5- If you do not find a solution, you should ask your teacher or a member of your family for help.

Problem	Possible solutions
1 - Computer slows down when opening an app	• Shut down and restart it. • Check for software updates. • Delete unwanted apps.
2 - Browser running slow	• Check Wi-Fi signal; • make sure to update the apps on your.
3 - No internet connection 	• Use the software to troubleshoot your Wi-Fi connection; • check that the router is connected; • restart your router; • try a new ethernet cable; • contact the customer service of your ISP
4 - Slow to download	• Restart computer and router. • check internet speed .

Lesson 06 Digital file management

There are many ways to find information, such as

- school libraries
- TV programs
- internet
- QR codes






QR code helps us to access the information easily and quickly by scanning the code with a camera phone.

How we save and store information?




Scanner: save images and documents on a computer for later use.

Flash Memory store and share information and data.

How to get organized using ICT tools?



1. Create the main folder:

- Press the right click >>> New >>> Folder
- Then, Type a name for the folder

2. Add sub-folders

- Open the main folder >>> Press right click >>> Select New >>> then select Folder.
- Type a name for the folder.



3. Give each file name

- You should give a title to a folder by right click then "Rename".

October Questions Bank

Question 01 Read and Choose the Correct answer

1. .... is a cable that transfer audio and video to and from devices.
   - (a) Ethernet cable (b) HDMI (c) Router cable
2. To change the title of a folder, you can use the .... command.
   - (a) New (b) open (c) rename
3. Byte is equal to .... bits
   - (a) 1024 (b) 1 (c) 8
4. ..... helps us to access information by scanning it with a phone camera.
   - (a) QR code (b) Printer (c) scanner
5. .... are groups of people, or things are connected to each other
   - (a) Computer (b) Network (c) Gate way
6. The first step in solving a problem is..........
   - (a) Identify the problem (b) Study solutions (c) Think of ways to solve
7. ....is a network that connects computers and people using them from all around the world
   - (a) Information (b) Internet (c) Device
8. The connection of the washing machine to an application on the mobile is called....................
   - (a) internet development (b) internet of things (c) Bluetooth
9. The web is an example of ....
   - (a) Open network (b) closed network (c) LAN
10. You can use .... applications to buy anything on the internet.
    - (a) browser (b) braille (c) e-commerce
11. The technology that connects wireless mobile devices over a short range to form a network is called ....
    - (a) Bluetooth (b) www (c) intranet

12. Online buying and selling is known as ....
   (a) Word (b) E-commerce (c) PowerPoint

13. To share .... information, you can use open networks.
   (a) Private (b) personal (c) public

14. .... is part of the internet that has web pages and sites that people can visit.
   (a) LAN (b) intranet (c) WWW

15. The .... is used for the visually impaired to get audio feedback.
   (a) Screen reader (b) scanner (c) Bluetooth

16. The router is considered as..............
   (a) famous browser (b) antivirus (c) gateway for internet

17. You can use .... Application to buy anything on the internet.
   (a) Browser (b) Braille (c) E-commerce

18. To write the word "ICT" we need .... to represent it in a computer system.
   (a) 3 bits (b) 8 bits (c) 3 bytes

19. The problem solution of slowing download is ....
   (a) Check internet speed (b) delete unwanted App (c) update the App

20. .... is the same as a hard disk drive, but it runs faster.
   (a) External hard disk (b) Flash memory (c) Router

21. .... folders help us to manage files using ICT tools.
   (a) Creating (b) Deleting (c) Copying

22. One of the measurement units is the Megabyte (MB), which is equal to ....
   (a) 1024 byte (b) 1024 kilobyte (c) 1024 Megabyte

23. Select.................... from the shortcut menu to create a new folder
   (a) Paste (b) Copy (c) New

24. Network or internet speed is measured by......................
   (a) GHZ (b) Mbps (c) GB

25. The smallest unit of data is ....

ⓐ bit ⓑ byte ⓒ Gigabyte

26. A school's computer lab is an example for ....

ⓐ internet ⓑ open network ⓒ closed network

27. When there isn't an internet connection, we should...............

ⓐ check software update ⓑ check router connection ⓒ check internet speed

28. It is used to enter images and files on the device.

ⓐ Keyboard ⓑ printer ⓒ scanner

29. .... is a device that connects a computer to the internet.

ⓐ HDMI ⓑ Router ⓒ Ethernet port

30. .... measures the number of cycles your CPU carries out per second.

ⓐ gigahertz ⓑ Mbps ⓒ byte

31. To connect your computer to the internet you need a ....

ⓐ Network ⓑ Gateway ⓒ Flash memory

32. The .... consists of devices linked to the internet via Wi-Fi.

ⓐ CPU ⓑ IoT ⓒ DSL

33. .... is a device that Connects your computer to an ISP.

ⓐ Ethernet cable ⓑ Router ⓒ Ethernet port

34. .... is a networking technology that connects wireless mobile devices.

ⓐ Bluetooth ⓑ Ethernet Cable ⓒ Router

35. .... measures the number of cycles your CPU carries out per second

ⓐ Gigahertz ⓑ MBPS ⓒ Byte

36. .... consists of devices linked to the internet via Wi-Fi.

ⓐ CPU ⓑ IOT ⓒ DSL

37. .... connect computers together; To share important information.

ⓐ Computer accessories ⓑ Computer networks ⓒ Computer hardware

38. Visually impaired people can use .... for doing homework.
   a. Braille b. screen readers c. zoom

39. Which problem would you use Ethernet cable to solve it?
   a. Not able to store files b. A poor video conference connection c. Trouble processing large files

40. Braille method allows blind people to ....
   a. hear b. read c. speak

Question 02 put " true " or " false "

1. A byte is the smallest storage unit to store data. (   )
2. Hotspot allows you to access the internet anywhere from your smartphone. (   )
3. An Ethernet cable transmits audio and video to and from devices. (   )
4. The Internet is a private network that is restricted to some people. (   )
5. Both hard disk and Flash Memory are used for the same purpose. (   )
6. The more cycles that CPU performs, the faster data can be processed. (   )
7. The Internet is more secure and private than the intranet. (   )
8. Adding sub folder inside the main is not allowed by operating system. (   )
9. To connect a computer to the internet, a gateway must be used. (   )
10. You can add main folder inside sub folders to manage files. (   )
11. Digital washing machine is an example to the internet of things (IOT). (   )
12. QR code is used to get information quickly and easily. (   )
13. Always ask a permission from your parents before buying anything online. (   )
14. In dial up connection phone and internet are used simultaneously . (   )
15. PowerPoint is a Microsoft program used for making presentations . (   )
16. The Egyptian Knowledge Bank is available for free to Egyptians. (   )
17. Closing some programs is a possible solution in the case of home internet that does not work . (   )
18. Ethernet is more stable and faster than Wi-Fi. (   )

19. ICT tools help us to manage digital files. ( )
20. External hard drive like an HDD but Mach faster ( )
21. Data must be organized in the computer for easy retrieval. ( )
22. Kilobyte (KB)= 1024 byte. ( )
23. Human and organizations communicate every day using computer networks. ( )
24. We use flash memory to store, transfer and share information online. ( )
25. Restarting the router is one of the ways to solve the slow download problem. ( )
26. HDMI is a wire that connects a computer or laptop with the router. ( )
27. We can give a name to a folder by right click then rename. ( )
28. Megabits per second (Mbps) used to measure network speed. ( )
29. The main folder contains subfolders and files . ( )
30. Always ask permission from your parents before buying anything online. ( )
31. Digital Washing machine is an example is the Internet of Things. ( )
32. Ethernet cable connects computers to the router. ( )
33. Giga Byte =1204 Kilobytes. ( )
34. Byte is the smallest unit of data ( )
35. WWW is short for World Wide Web. ( )
36. The internet is a type of network. ( )
37. Bluetooth is a network technology that works over long ranges. ( )
38. Identifying the problem is the last step in solving computer problems. ( )
39. it's important to check regularly for software updates to avoid problems . ( )
40. We use scanner to save images on computer to be used later. ( )
41. Ethernet is more stable and faster than Wi-Fi. ( )
42. Braille makes it more difficult to read for people of determination. ( )
43. One of possible reasons for slow downloads is the internet speed. ( )

تم بحمد الله ،

بسم الله الرحمن الرحيم " إِنَّ الَّذِينَ آمَنُوا وَعَمِلُوا الصَّالِحَاتِ إِنَّا لَا نُضِيعُ أَجْرَ مَنْ أَحْسَنَ عَمَلًا " صدق الله العظيم

Answers

October Questions Bank

Question 01 — **Read and Choose the Correct answer**

1. .... is a cable that transfer audio and video to and from devices.
   - (a) Ethernet cable (b) **HDMI** (c) Router cable
2. To change the title of a folder, you can use the .... command.
   - (a) New (b) open (c) **rename**
3. Byte is equal to .... bits
   - (a) 1024 (b) 1 (c) **8**
4. ..... helps us to access information by scanning it with a phone camera.
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5. .... are groups of people, or things are connected to each other
   - (a) Computer (b) **Network** (c) Gate way
6. The first step in solving a problem is..........
   - (a) **Identify the problem** (b) Study solutions (c) Think of ways to solve
7. ....is a network that connects computers and people using them from all around the world
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10. You can use .... applications to buy anything on the internet.
    - (a) browser (b) braille (c) **e-commerce**
11. The technology that connects wireless mobile devices over a short range to form a network is called ....
    - (a) **Bluetooth** (b) www (c) intranet

12. Online buying and selling is known as ....
    - (a) Word
    - (b) E-commerce
    - (c) PowerPoint
13. To share .... information, you can use open networks.
    - (a) Private
    - (b) personal
    - (c) public
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    - (b) intranet
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    - (a) 1024 byte
    - (b) 1024 kilobyte
    - (c) 1024 Megabyte
23. Select.................... from the shortcut menu to create a new folder
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24. Network or internet speed is measured by.......................
    - (a) GHZ
    - (b) Mbps
    - (c) GB

25. The smallest unit of data is ....
   - (a) **bit**
   - (b) byte
   - (c) Gigabyte

26. A school's computer lab is an example for ....
   - (a) internet
   - (b) open network
   - (c) **closed network**

27. When there isn't an internet connection, we should...............
   - (a) check software update
   - (b) **check router connection**
   - (c) check internet speed

28. It is used to enter images and files on the device.
   - (a) Keyboard
   - (b) printer
   - (c) **scanner**

29. .... is a device that connects a computer to the internet.
   - (a) HDMI
   - (b) **Router**
   - (c) Ethernet port

30. .... measures the number of cycles your CPU carries out per second.
   - (a) **gigahertz**
   - (b) Mbps
   - (c) byte

31. To connect your computer to the internet you need a ....
   - (a) Network
   - (b) **Gateway**
   - (c) Flash memory

32. The .... consists of devices linked to the internet via Wi-Fi.
   - (a) CPU
   - (b) **IoT**
   - (c) DSL

33. .... is a device that Connects your computer to an ISP.
   - (a) Ethernet cable
   - (b) **Router**
   - (c) Ethernet port

34. .... is a networking technology that connects wireless mobile devices.
   - (a) **Bluetooth**
   - (b) Ethernet Cable
   - (c) Router

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40. Braille method allows blind people to ....
   - (a) hear
   - (b) read
   - (c) speak

Question 02 put " true " or " false "

1. A byte is the smallest storage unit to store data. ✗
2. Hotspot allows you to access the internet anywhere from your smartphone. ✓
3. An Ethernet cable transmits audio and video to and from devices. ✗
4. The Internet is a private network that is restricted to some people. ✗
5. Both hard disk and Flash Memory are used for the same purpose. ✓
6. The more cycles that CPU performs, the faster data can be processed. ✓
7. The Internet is more secure and private than the intranet. ✗
8. Adding sub folder inside the main is not allowed by operating system. ✗
9. To connect a computer to the internet, a gateway must be used. ✓
10. You can add main folder inside sub folders to manage files. ✗
11. Digital washing machine is an example to the internet of things (IOT). ✓
12. QR code is used to get information quickly and easily. ✓
13. Always ask a permission from your parents before buying anything online. ✓
14. In dial up connection phone and internet are used simultaneously ✗
15. PowerPoint is a Microsoft program used for making presentations . ✓
16. The Egyptian Knowledge Bank is available for free to Egyptians. ✓
17. Closing some programs is a possible solution in the case of home internet that does not work . ✗
18. Ethernet is more stable and faster than Wi-Fi. ✓

	Statement	Answer
19	ICT tools help us to manage digital files.	✓
20	External hard drive like an HDD but Mach faster	✓
21	Data must be organized in the computer for easy retrieval.	✓
22	Kilobyte (KB)= 1024 byte.	✓
23	Human and organizations communicate every day using computer networks.	✓
24	We use flash memory to store, transfer and share information online.	✗
25	Restarting the router is one of the ways to solve the slow download problem.	✓
26	HDMI is a wire that connects a computer or laptop with the router.	✗
27	We can give a name to a folder by right click then rename.	✓
28	Megabits per second (Mbps) used to measure network speed.	✓
29	The main folder contains subfolders and files .	✓
30	Always ask permission from your parents before buying anything online.	✓
31	Digital Washing machine is an example is the Internet of Things.	✓
32	Ethernet cable connects computers to the router.	✓
33	Giga Byte =1204 Kilobytes.	✗
34	Byte is the smallest unit of data	✗
35	WWW is short for World Wide Web.	✓
36	The internet is a type of network.	✓
37	Bluetooth is a network technology that works over long ranges.	✗
38	Identifying the problem is the last step in solving computer problems.	✗
39	it's important to check regularly for software updates to avoid problems .	✓
40	We use scanner to save images on computer to be used later.	✓
41	Ethernet is more stable and faster than Wi-Fi.	✓
42	Braille makes it more difficult to read for people of determination.	✗
43	One of possible reasons for slow downloads is the internet speed.	✓

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October Revision

Mr. Ahmed Elbasha

✸(1) Choose the right answer :

1. .... are groups of people, or things, that are connected to each other for a common purpose.

a. Networks b. Technology c. Cable

2. .... a way to access something.

a. Network b. Gateway c. Cable

3. If you do not find a .... to the computer problem, you should ask your teacher or a member of your family for help.

a. video conferencing b. solution c. PowerPoint

4. To change the title of a folder, choose the .... command.

a. Rename b. New c. Save

5. Select .... command from main menu, to create a folder.

a. New b. Rename c. Save

6. Store and share information with ....

a. New b. folder c. Flash Memory

7. You should .... the research topic into smaller subtopics.

a. critically b. divide c. information

8. The .... is very big and you must decide exactly what information you want.

a. divide b. information c. internet

9. .... that represents data in the form of a graph in different formats.

a. Excel program b. Word program c. Paint

10. An intranet is used to share in a .... and is more secure.

a. Open network b. Closed network c. Online

11. To create a simple formula in a cell, first type the .... this tells Excel you are creating a formula.

a. sign " = " b. sign " x " c. sign " / "

12. .... **a device that connects a computer to the internet via Wi-Fi Ethernet.**

a. HDMI b. Router c. Ethernet port

13. .... **that connects wireless mobile devices over a shortrange to form a network to transition data between different devices.**

a. Computer b. Networks c. Bluetooth

14. .... **are groups of people, or things, that are connected to each other for a common purpose.**

a. Computer b. Networks c. LAN

15. The first stage of problem solving is .... **what's the issue? Is it a hardware or software problems?**

a. Defining the problem b. Internet c. Router

16. Mr. Hiebert uses the .... **program, to write reports.**

a. Excel b. PowerPoint c. Word processor

17. The .... **contains a huge amount of information.**

a. data b. Internet c. School

18. .... **is used to store files**

a. Flash memory b. Router c. Scanner

19. To store and data we use ....

a. HDMI b. hard disk c. Router

20. We can use .... **to learn about a lesson**

a. Braille b. E-commerce c. YouTube

21. If the browser running slow, the solution is ....

a. Remove apps

b. Check internet connection

c. Buy another computer

22. We uses MS Word to ....

a. write report b. draw picture c. list music

23. Platforms like Zoom and what's APP is used to make ....

a. Defining the problem b. Virtual meetings c. Upload file

24. .... **to communicate with others by computer**

a. Video conferencing b. Router c. Face to face Meeting

25. Dr. Fred Hiebert use in .... **his day-to-day life**

a. ICT tools b. Braille c. Remove apps

26. Dr. Hiebert uses platforms like .... **to communicate with people**

a. Zoom and WhatsApp

b. YouTube and google

c. blogs and websites

27. .... **is a program used for writing reports**

a. PowerPoint b. Excel c. Word

28. Dr. Hiebert uses Word and Excel programs to ....

a. Communicate formally

b. Face to face Meeting

c. Virtual meetings

29. Dr Fred Hiebert uses the .... **to prepare and show graphs**

a. Word program

b. Excel program

c. PowerPoint program

30. .... **connect computers with each other, to share important information and data.**

a. Computer networks b. Ethernet port c. Bluetooth

31. A Gigabyte = ... **Megabyte**

a. 1025 b. 1024 c. 1026

32. A Terabyte = ... **Gigabyte.**

a. 1025 b. 1024 c. 1026

33. A .... **is the smallest unit of data.**

a. Bit b. Byte c. Terabyte

34. A .... **is the largest unit of data.**

a. Bit b. Byte c. Terabyte

35. WWW is short for ....

a. World Wide Web b. Work With World c. Way We Walk

36. .... is available for free to all Egyptians who register on the site.

a. Egyptian Knowledge Bank

b. Intranet

c. Bluetooth

37. The .... is a limited network.

a. Internet b. Intranet c. World Wide Web

38. To change the title of a folder, choose the .... command

a. Delete b. Rename c. Close

39. We can give a folder a name by ....

a. right clicking + New

b. right clicking + Rename

c. right clicking + Delete

40. The higher the number of cycles your .... carries out per second, the faster the computer

a. Fan b. Keyboard c. CPU

41. Dr. Hieber is an .... and explorer

a. Archaeologist b. Doctor c. Artist

✸(2) Put (√) or (X)

1. Dr. Fred Hiebert doesn't use any ICT tools in his day-to-day life ( )
2. Dr. Hiebert uses Zoom and WhatsApp to communicate with people. ( )
3. PowerPoint is a program used for writing reports ( )
4. Dr. Hiebert uses Word and Excel programs to communicate formally. ( )
5. Dr. Hiebert guided his students and colleagues all around the world ( )
6. Virtual meetings or video calls , provide effective method to mentor others. ( )
7. Dr Fred Hiebert uses the Word processor program to prepare and show graphs. ( )
8. Sharing information has never become vital in our day-to-day lives. ( )
9. Computer networks connect computers with each other, to share important information and data. ( )
10. A Gigabyte= 1024 Kilobytes. ( )
11. A Terabyte = 1029 Megabyte. ( )
12. A Kilobyte= 1030 Byte. ( )
13. A bit is the smallest unit of data. ( )
14. Gigabyte=1024 Megabyte. ( )
15. There are no solutions for computer issues ( )
16. Computer networks give people of determined more independence at home . ( )
17. A gateway is a gate used to connect a computer to the internet. ( )
18. WWW is short for World Wide Web. ( )
19. A School's computer lab could have its own closed computer network. ( )
20. Egyptian Knowledge Bank is available free to all Egyptians who register on site. ( )
21. The internet is a limited network. ( )
22. A kilobyte (KB) is equal to 1024 Megabyte. ( )
23. Gigabyte (GB) is the smallest unit of data. ( )
24. Kilobytes (KB): = 1024 byte. ( )
25. Megabyte (MB) is largest unit of data. ( )
26. Braille makes it more difficult to read for people of determination. ( )

27. ICT tools help people of determination do their daily tasks easily.	( )
28. You can reach a lot of people using the internet	( )
29. The Egyptian Knowledge Bank has a lot of interesting information.	( )
30. Each file must be given a unique title.	( )
31. To change the title of a folder, choose the delete command.	( )
32. We cannot add sub-folder to the main folder.	( )
33. To create a new folder, right click on the place where you want and select new, then select Folder.	( )
34. The Internet contains a huge amount of information.	( )
35. Sorting info in alphabetical order, click on Copy.	( )
36. Megabits per second (Mbps) measures speed of a network or internet connection .	( )
37. To change the title of a file/folder, choose the copy command.	( )
38. Kilobytes (KB) = Megabyte (MB).	( )
39. 1 byte = 8 bits = 1 character.	( )
40. Dr. Fred Hiebert didn't use any ICT tools in his day-to-day life.	( )
41. A Gigabyte= 1024 Kilobytes.	( )
42. A Tera byte= 1029 Megabyte.	( )
43. PowerPoint is a program used for presentations	( )
44. All problems have solutions if we followed the right process	( )
45. We should regularly check for software updates	( )
46. We can give a folder a name by right clicking + Rename	( )
47. We can't search for any needed information	( )
48. We can store data using a Flash Memory	( )
49. The internet contains a very small amount of information	( )
50. To set a formula we can use Excel	( )
51. A closed network can be used in a school computer laboratory	( )
52. Dr. Fred Hiebert used ICT tools to help him write reports	( )
53. Dr. Hieber is an archaeologist and explorer	( )

✹(3) TRY TO ANSWER:

1

Complete the following statements from the brackets:

(Technology - archaeologist - video conferencing - Word)

1. .... has helped to make sharing information easier task.
2. During .... people can see and hear one another.
3. Dr (Fred Hiebert) is an .... and explorer.
4. Dr (Fred Hiebert) uses the .... processor program to write reports.

2

Rearrange the following units of measurement:

	data units	The data units arranged
A	Gigabyte (GB)	
B	Bit	
C	Byte	
D	Kilobytes (KB)	
E	Terabyte (TB)	
F	Megabyte (MB)	

3

Complete the following statements from the brackets:

(Router - Ethernet cable - byte - three bytes)

1. The word " cat" has three letters and would need ....
2. .... is a cable that connects a computer or laptop to a router.
3. .... a device that connects a computer to the internet via Wi-Fi Ethernet.
4. .... is equals eight bits and also equals one character

4

Match from (A) to the suitable answer from (B):

A	B
1. Problem: Slow to download.	**a.** Possible solutions: Shut down and restart; check for software updates; delete unwanted apps.
2. Problem: Browser running slow.	**b.** Possible solutions: Use the software to troubleshoot your Wi-Fi connection; check that the router is connected and restart it.
3. Problem: Computer slows down when opening an app.	**c.** Possible solutions: Restart computer and router; check internet speed.
4. Problem: No internet connection.	**d.** Possible solutions: Check Wi-Fi signal; make sure to update the apps on your device.

1- **2-** **3-** **4-**

5

Match from (A) to the suitable answer from (B):

A	B
1. Kilobytes (KB)	**a.** Possible solutions, restart computer and router; check internet speed.
2. A way to access something	**b.** 1024 byte
3. Consists of device 1 linked to the internet via Wi-Fi .	**c.** Gateway
4. Byte	**d.** Internet of Things
5. Problem, slow to download	**e.** 8 bits

1- **2-** **3-** **4-** **5-**

6

Match from (A) to the suitable answer from (B):

A	B
1. Bit	**a.** The largest unit of data
2. Problem: Not able to store files.	**b.** We communicate using them every day
3. consists of devices linked to the internet via Wi-Fi.	**c.** Not enough space - move old files to an external drive.
4. Terabyte (TB)	**d.** Internet of Things
5. computer networks	**e.** The smallest unit of data.

1- **2-** **3-** **4-** **5-**

Model Answer

✹(1) Choose the right answer :

1. A	**8.** C	**15.** A	**22.** A	**29.** B	**36.** A
2. B	**9.** A	**16.** C	**23.** B	**30.** A	**37.** B
3. B	**10.** B	**17.** B	**24.** A	**31.** B	**38.** B
4. A	**11.** A	**18.** A	**25.** A	**32.** B	**39.** B
5. A	**12.** B	**19.** B	**26.** A	**33.** A	**40.** C
6. C	**13.** C	**20.** C	**27.** C	**34.** C	**41.** A
7. B	**14.** B	**21.** B	**28.** A	**35.** A	

✹(2) Put (√) or (X)

1. (X)	**10.** (X)	**19.** (√)	**28.** (√)	**37.** (X)	**46.** (√)
2. (√)	**11.** (X)	**20.** (√)	**29.** (√)	**38.** (X)	**47.** (X)
3. (X)	**12.** (X)	**21.** (X)	**30.** (√)	**39.** (√)	**48.** (√)
4. (√)	**13.** (√)	**22.** (X)	**31.** (X)	**40.** (X)	**49.** (X)
5. (√)	**14.** (√)	**23.** (X)	**32.** (X)	**41.** (X)	**50.** (√)
6. (√)	**15.** (X)	**24.** (√)	**33.** (√)	**42.** (X)	**51.** (√)
7. (X)	**16.** (√)	**25.** (X)	**34.** (√)	**43.** (√)	**52.** (√)
8. (X)	**17.** (√)	**26.** (X)	**35.** (X)	**44.** (√)	**53.** (√)
9. (√)	**18.** (√)	**27.** (√)	**36.** (√)	**45.** (√)	

✹(3) TRY TO ANSWER:

1

1. Technology
2. Video conferencing
3. Archeology
4. Word

2

1. (A - 5)
2. (B - 1)
3. (C - 2)
4. (D - 3)
5. (E - 6)
6. (F - 4)

3

1. Three bytes
2. Ethernet cable
3. Router
4. Bytes

4

1- c **2-b** **3-a** **4-d**

5

1-b **2-c** **3-d** **4-e** **5-a**

6

1- e **2-c** **3-d** **4-a** **5-b**

Choose the correct answer (Lesson 1):

1- Fred Hiebert is an .... and explorer in National Geographic.

a. artist b. doctor c. archaeologist

2- Hiebert doesn't use any ICT tools in his day-to-day life.

a. True b. False

3- .... is a program used to write reports

a. MS Word b. MS Excel c. MS PowerPoint

4- .... is a program used to create graphs

a. MS Word b. MS Excel c. MS PowerPoint

5- .... is a program used to prepare presentations

MS Word b. MS Excel c. MS PowerPoint

6- Word is a program for spreadsheets.

a. True b. False

7- Printed letters and e-mails are used to communicate in a\an .... way.

a. Normal b. formal c:. informal

8- .... is training someone on a subject you have a lot of experience in.

a. Communication b. Mentoring c. Studying

9- .... should be easy to present the information clearly.

a. Slides b. Tables c. documents

10- Hiebert prefers .... to communicate with others.

a. virtual meetings b. face-to-face meetings c. TV programs

11- Hiebert holds .... using platforms, like Zoom and WhatsApp.

a. virtual meetings b. face-to-face meetings c. TV programs

12- Hiebert hold virtual meeting using ....

a. word,excel b. e-mail,powerpoint c. zoom,whatsapp

13- virtual meeting may face some problems because of..

a. Internet connection is disconnected b. time difference between countries

c. No computers or laptops

14- Time difference between countries is a great problem during ....

a. face-to-face meetings b. virtual meetings c. sending e-mails

Choose the correct answer (Lesson 2):

1- ………………… is used to transfer files and data between computers

a. HDMI b. CPU c. Flash memory

2- ………………… is the same as a hard disk drive, but it runs faster

a. External hard disk b. Flash memory c. Router

3- ………………… is a device that connects a computer to the internet via Wi-Fi

a. Ethernet cable b. Router c. Ethernet port

4- …………………… is a cable that connects a computer or laptop to a router.

a. External hard drive b. Ethernet cable c. Ethernet port

5- …………………… is a cable that transmits sound and image to and from devices.

a. Ethernet cable b. HDMI c. Router cable

6- Ethernet is better than Wi-Fi connection.

a. True b. False

7- ……………………is the smallest unit of data on your computer.

a. Mbps b. byte c. bit

8- A………………. measures the speed of a network or internet connection

a. Gigahertz b. Mbps c. byte

9- …………………… measures the number of cycles your CPU carries out

b. Mbps b. Gigahertz c. Gbps

10- The word "apple" represents …………………… it in a computer system

a. 5 bits b. 5 bytes c. 8 bits

11- Which problem would you use ethernet cable to solve?

a. Can't store files. b. A poor video-conference connection

c. Trouble processing large files

12- Which one represents the correct arrangement of these measuring units of a computer (from the biggest to the smallest) ?

a. Terabyte - Megabyte - Gigabyte

b. Byte - Kilobyte - Megabyte

c Megabyte - Kilobyte - Byte

Choose the correct answer (Lesson 3):

1- ………………… connect computers together to share the important information

a. Computer accessories b. Computer networks c. Computer HW

2- …………………… consists of a computer connected to a printer or a router.

a. Internet b. Intranet c. LAN

3- Router is considered a …………………

a. famous browser b. antivirus c. gateway

4- ………………… is a network that connects computers from all around the world.

a. Internet b. Intranet c. LAN

5- ………………… is a device that connects your computer to an ISP.

a. Ethernet cable b. Router c. Ethernet port

6- …………………… is private and restricted to only those that are part of the business, school. or organization .

a. Internet b. Intranet c. LAN

7- ……………………… is a part of the internet network. made up of web pages and sites .

a. Video chat b. Search engine c. World Wide Web

8- A school's computer lab is an example for………………………..

a. closed network b. open network c. internet

9- A gateway is a gate used to connect a computer to the internet.

a. True b. False

10- …………………………… is available for free to all Egyptians registered on the site.

a. EKB b. Google Chrome c Wikipedia

11- ……………………………… allows the phone and the internet to be used simultaneously.

a. Dial-up internet connection b. Digital subscriber line (DSL)

c World Wide Web

12- ……………………………… allow you to access the internet anywhere.

a. DSL b. Wi-Fi c. hotspot

Choose the correct answer (Lesson 4):

1- Organizations use computer ……………………. networks to share private information

a. Open b. closed c public

2- Businesses and organizations use networks every day to ……………. Information

a. Write b. make c. share

3- The ………………… consists of devices linked to the internet via Wi-Fi.

a. CPU b. IoT c. DSL

4- ………………………… is a networking technology that connects wireless mobile devices.

a. Bluetooth b. Ethernet cable c. Router

5- Bluetooth is a networking technology that connects wireless devices over a ………..

a. Short range b. long range c. both of them

6- The ……………………….. consists of household devices that are connected to Wi-Fi.

a. Bluetooth b. internet c. Internet of Things

7- Visually Impaired people can use………………………… for doing their homework.

a. Braille b. screen readers c. Zoom

8- Braille method allows blind people to …………………

a. Write b. read c. speak

9- people of determination uses …………………………….. for audio feedback.

a. Braille b. screen readers c. WhatsApp

10- You can use………………………. applications to buy anything on the internet

a. Browser b. braille c e-commerce

11- Before making online shopping, you should think about ……………………. To be safe.

a. Digital tools b. digital privacy c. money

12- ICT tools help people of determination to save ……………and …………….

a. Time ,money b, health, money c. listening, speaking

Answer Key

Lesson 1		Lesson 2		Lesson 3		Lesson 4	
Q	A	Q	A	Q	A	Q	A
1	c	1	c	1	b	1	b
2	b	2	a	2	c	2	c
3	a	3	b	3	c	3	b
4	b	4	b	4	a	4	a
5	c	5	b	5	b	5	a
6	b	6	a	6	b	6	c
7	b	7	c	7	c	7	b
8	b	8	b	8	a	8	b
9	a	9	b	9	a	9	b
10	b	10	b	10	a	10	c
11	a	11	b	11	b	11	b
12	c	12	c	12	c	12	a
13	b						
14	b						

Question 1: Choose the correct answer

1- Fred Hiebert is an …………. and explorer in national geographic

a) Engineer b) architect c) archeologist

2-Fred Hiebert uses …………. To write reports about archeological sites

a) MS Word b) MS Excel c) MS PowerPoint

3-Printed letters and emails are used to communicate in a ……… way

a) Formal b) informal c) Normal

4-A school computer lab is an example of ……….

a) Open network b) Closed network c) The internet

5-Braille method allows blind people to

a) Write b) Read c) Speak

6-To store and share information, we can use

a) Scanner b) Printer c) Flash memory

7-the ………… is used to share information in a closed and private network

a) Letters b) Internet c) Intranet

8-when creating a formula, use the ……… sign for subtraction

a) + b) – c) =

9-…………… folders help us to manage files using technology

a) Creating b) Deleting c) Copying

10-………… is faster than hard disk and can store files

a) External hard drive b) Flash memory c) Router

11-the router is considered ……….

a) Famous browser b) Antivirus c) A gate way for the internet

12-is advising or training someone on a subject you have a lot of experience in

a) Communication b) Mentoring c) Learning

13-………… Is a device that connects the computer to the internet via Wi-Fi

a) Ethernet cable b) Router c) Ethernet port

14-Typing ………. In the cell, tell the excel that you are creating a formula

a) + b)– c) =

15-………… Is a part of internet network made up of webpages that people can navigate

a) Video chat b) Search engine c) World wide web

16-Mr Hiebert prefers ………… To communicate with other

a) virtual meetings b) tv programs c) face to face meetings

17-to write the word Lion, you need ………. To represent it in a computer system

a)4 bits b)4 bytes c)5 bytes

18-the ………… is private to only those who are part of organization

a) Internet b) Intranet c) LAN

19-Mr Hiebert holds ……………. using zoom and WhatsApp

a) Virtual meetings b) Face to face meetings c) Tv programs

20-if you want to sum the values in column A, B and C from row 4, the formula is ……….

a) C4+b4+a4 b) C4-b4-a4 c) A4+b4+c5

21-check the software update when……….

a) There is not internet connection

b) Downloading a file is very slow

c)The computer slows down when opening an app

22-……………is a networking technology that connects wireless mobile devices

a) Bluetooth b) Ethernet cable c) Router

23-Mr Hiebert uses MS Excel to prepare

a) Reports b) Presentations c) Graphs

24-…………. Measure the number of cycles your CPU carries out per second

a) Gigahertz b) Mbps c) Byte

25-when the browser is running slow, you have to

a) delete unwanted apps

b) check WIFI signal

c)restart your router

26-you can contact the ISP for help when ………..

a) internet connection is interrupted

b) the browser is running slow

c)an app does not open

27-………… helps us to access information by scanning it with a phone camera

a) Browser b) QR Code c) Digital book

28-…………. Used to save images on computer and use them later

a) Scanner b) Printer c) Router

29- Try a new ethernet cable when …….

a) There is no internet connection

b) Downloading files is very slow

c)The computer slows down when opening an app

30-Mr Hiebert used …………….. to share his discoveries with his colleagues

a) MS Excel

b) MS Word

c)Video Conference

31-………… consists of one computer connected to a printer or a router

a) Internet b) Intranet c) LAN

32-……….. is the smallest unit of data on your computer

a) Mbps b) Byte c) Bit

33-………….. consist of devices linked to the internet via Wi-Fi

a) CPU b) IOT c) DSL

34-you can use ………….. application to buy anything on the internet

a) Browser b) Brille c) E-commerce

35-…………… is available for free to all Egyptians registered on the site

a) EKB b) Google chrome c) Wikipedia

36-Students who need further explanation of a lesson can use

a) Libraries b) Printed books c) YouTube channels

37- the first step to solve any problem in the computer is to ………… it

a) Identify b) Plan c) Leave

38-………… is a cable that transmit sound and images to and from devices

a) Ethernet cable b) HDMI c) Router cable

39- when the computer slows down when opening an app, ...

a) Check Wi-Fi signal
b) Check software updates
c) Restart your router
d) Contact customer service

40- .... helps to manage files

a) Scanner b) flash memory c) Folder d) Excel

41- you must .... the information you find

a) Sell b) analyze c) buy

42- the internet is .... network

a) Open b) closed c) private d) none of them

Question 2: Put true or false

1- Mr. Hiebert is an explorer at National Geographic. ( )
2- Braille makes it more difficult to read for people of determination ( )
3- The data in the cell cannot be arranged alphabetically ()
4- Identifying the problem is the last step in solving computer problems. ( )
5- You must decide to share information using the intranet or internet. ( )
6- Decide keywords for searching about subtopics ()
7- Technological tools help us to manage digital files. ( )
8- Humans and organizations communicate every day using computer networks. ( )
9- The intranet is used to share information in an open network. ( )
10- HDMI is a wire that connects a computer or laptop with the router. ( )
11- We can turn on and off home appliances connected to the internet from a distance ()
12- Breaking the topic down into smaller subtopics helps you in conducting research. ( )
13- We can use the digital camera to transfer and share files. ( )
14- You can add the main folder inside sub-folders to manage files. ( )
15- Ethernet is more stable and faster than Wi-Fi. ( )
16- Always ask permission from your parents before buying anything online. ( )
17- To create a simple formula, we select the cell and then type a (*) sign to let Excel know that we want to create a formula. ( )

18- The internet is a private network that Is restricted to some people. ( )
19- QR code is used to get information quickly and easily. ( )
20- LAN is a network that connects computers from all over the world. ( )
21- Megabits per second (Mbps) are used to measure the network speed. ( )
22- Mr Heibert uses GPR to design a presentation for his discoveries ()
23- To connect a computer to the internet, you must use a gateway ( )
24- The internet is more secure and private than the intranet ( )
25- You can add or subtract any data using Microsoft excel. ( )
26- It is not a good idea to use full sentences when searching ( )
27- The rows are labeled with numbers, while the columns are labeled with letters in Excel. ( )
28- You can enter files inside folders ()
29- To create a new folder click rename ()
30- The more cycles that CPU performs, the faster data can be processed ( )
31- Bluetooth is a networking technology that connects mobile devices over a short range ( )

Question 3: Complete the following sentences (for advanced students)

1- To create a folder, we right click then choose ………….. then ………..
2- To give a folder a new name we right click then …………………
3- To look for needed information we should use ……………… engines
4- ……………………is a program used to write reports.
5- ………………..is a program used to create spreadsheets.
6- …………………is an archaeologist and explorer
7- Dr. Hiebert held virtual meetings using platforms like…………..and………..
8- …………….. is a program used to prepare presentations.
9- Dr. Hiebert uses……….and………..when he wants to communicate more formally.
10- ……………….. and ……………….. are from computer accessories
11- ……………………..is a cable that connects a computer or laptop to a router
12- ……………………is a cable that transmits audio and video from/to devices.
13- ……………is a device that connects a computer to the internet via Wi-Fi or ethernet.
14- ……………, ………….. and……….. are some of the computer's units of measurement.
15- ………..is a network that connects computers, and the people using them, from all around the world.
16- …………is a private type of network, restricted to only those that are part of the business, school, or organization that it is connecting.
17- ……………. and ……………. are different types of networks
18- …………… is short for World Wide Web.

19- We should decide on a……………… for our search

20- We use search engines such as…………………

21- When searching, we break the topic down into smaller ………………

22- The internet is used to share information over the web and is………..secure

23- An intranet is used to share in a closed network and is……………… Secure.

24- To sort the info in alphabetical order you open…………Then click on……….. then ....

25- To open Microsoft Excel we open the………… menu

26- We can set a simple formula using …………..

Model Answers

Q1: choose

1-c, 2-a, 3-a, 4-b, 5-b, 6-c, 7-c, 8-b, 9-a, 10-a, 11-c, 12-b, 13-b, 14-c, 15-c, 16-c, 17-b, 18-b, 19-a, 20-a, 21-c, 22-a, 23-c, 24-a, 25-b, 26-a, 27-b, 28-a, 29-a, 30-c, 31-c, 32-c, 33-b, 34-c, 35-a, 36-c, 37-a, 38-b, 39-b, 40-c, 41-b, 42-a

Q2: True and false

1-T, 2-F, 3-F, 4-F, 5-T, 6-T, 7-T, 8-T, 9-F, 10-F, 11-T, 12-T, 13-F, 14-F, 15-T, 16-T, 17-F, 18-F, 19-T, 20-F, 21-T, 22-F, 23-T, 24-F, 25-T, 26-T, 27-T, 28-T, 29-F, 30-T, 31-T

Q3: Complete

1-New-Folder, 2-Rename, 3-Search, 4-word, 5-Excel, 6-Fred Hiebert,

7-Zoom and WhatsApp, 8-powerpoint, 9-Email and paper letter,

10-Router-ethernet cable-HDMI-Flash memory, 11-Ethernet cable,

12-HDMI, 13-Router, 14-Kilobytes-megabytes- Gigabytes- bytes,

15- internet,16-intranet, 17-internet-intranet, 18-WWW, 19-topic,

20-Google, 21-Suptopics, 22-less, 23-More, 24-Toolbar, 25-start,

26-Excell

ICT Grade 5

1-Choose the correct answer:

1-Microsoft ……….to write reports and documents to share
(word- excel- power point)

2-Microsoft --------to analyze data and create charts to explain inf.
(word- excel- power point)

3-Microsoft ………….. to review his research results using slides for making a good presentation
(word- excel- power point)

4- ………..its formal way to communicate
(word- E-mails - power point)

5-Mr. Hiebert is also a ……….who guides his students and colleagues around the world
(mentor- students-teacher)

6-He is a mentor, preferred ……………. meeting
(virtual meeting -face to face- video conferencing)

7- On …………..YouTube channel there are video clips for all subjects for students who missed a

lesson or need further explanation or want a quick review
(Madrastna- virtual meeting - video conferencing)

8- …………used to transfer files and data from computer to another
(ethernet cable- Flash memory- ethernet port)

9-………….. a cable that connects a computer or laptop to a router
(ethernet cable- Flash memory- ethernet port)

10- ……….connects an ethernet cable; ethernet is more stable and faster than Wi-Fi
(ethernet cable- Flash memory- ethernet port)

11-…….. a cable that transmits audio and video from/ to devices
(HDMI- router- HDD)

12- ………………. Like an HDD but much faster.
(External hard drive - HDMI- router)
13-………… a device that connects a computer to the internet via Wi-Fi or ethernet
(External hard drive - HDMI- router)

14-the smallest unit that measure data……

(Bit-Kilobyte-Terabyte)

15-the biggest unit that measure data……
(Bit-Kilobyte-Terabyte)

16-………. used to measure network speed or internet connection
(Mbps- Gigahertz- Terabyte)

17-………… measures the number of cycles your CPU carries out per second
(Mbps- Gigahertz- Terabyte)

18-………. are groups of people, or things
(Networks- internet- intranet)

19- To connect your computer to the internet, you need a……………, such as a router
(internet- intranet -gateway)

20- ……………is part of the internet network, made up of web pages
(WWW- internet- intranet)

21- An………., unlike the internet, is private
(intranet- WWW- gateway)

22- **cable** a long connector that transmits data or power between devices; example………..
(WWW- gateway -ethernet cable)

23- **………………**a means of access to something
(intranet- gateway- WWW**)**

24- The………… consists of devices linked to the internet via Wi-Fi.
(IoT- Bluetooth- DSL)

25-**…………** is a networking technology that connects wireless mobile devices over a short range
(IoT- Bluetooth- DSL)

26-a network to transmit data between different devices.
(IoT- Bluetooth- DSL)

27-………… internet connection used phone line connect to internet, but couldn't use phone when on internet) a slow but stable connection
(Dial up- DSL- hyperlinks)

28-………a high-speed connection that uses the same home phone wires to connect to the internet
(Dial up- DSL- hyperlinks)

29-web pages that are linked to each other using …………..
(Dial up- DSL- hyperlinks)

30-……………. to allow you to access the internet anywhere) on smartphone
(Dial up- DSL- hotspots)

31- ……….it makes buying or selling is easier for people of determination
(Dial up- Online shopping - hyperlinks)

32- ……….don't tell anyone your personal information
(Digital Privacy - DSL- hyperlinks)

33- ……………….we can check that the router is connected ,or Use the software to troubleshoot your Wi-Fi
(No internet connection - Browser running slow- slows opening an app)

34-Computer………. we can check for software updates
(Slow to download- Browser running slow- slows opening an app)

35- ....check Wi-Fi signal; make sure to update the apps on your device
(Slow to download- Browser running slow- slows opening an app)

36- ....we can restart computer and router; check internet speed
(Slow to download- Browser running slow- slows opening an app)

37- ……………It is a code for outputting the information on the systems by directing the device’s camera to the code
(QR code- interviews- Libraries)

38- ………….when two people meet face to face to exchange information
(QR code- interviews- Libraries)

39-they contain many books, articles and manuscripts in many fields
(QR code- interviews- Libraries)

40-Create the main folder and add………..
(sub folders- QR code -rename)

41-To ………. folder you can right click and choose delete order
(sub folders- delete -rename)

42-The ……..is used to share over the web and is less secure.
(internet- intranet- Sort)

43-An …………is used to share in a closed network and is more secure.
(internet- intranet- Sort)

44-Sorting info in alphabetical order: Go to the toolbar and click on Data. Then click on…….
(internet- intranet- Sort)

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Put (T) or (F)

1- Fred Hiebert He is an archeologist working at Nat Geo ( )

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6- Mr. Hiebert is also a mentor who guides his students and colleagues around the world. ( )

7- Mr. Hiebert is a mentor, preferred virtual meeting ( )

8- technology can be challenging and scheduling calls can be difficult. ( )

9- Flash memory used to transfer files and data from computer to another(.)

10- HDMI a cable that connects a computer or laptop to a router ( )

11- External hard drive (HDD) Likes (Hard disk drive) but much faster (.)

12- Router a device that connects a computer to the internet via Wi-Fi or ethernet ( )

13- ethernet cable a cable that transmits audio and video from/ to devices (.)

14- Bit the smallest unit that measure data. (.)

15- Terabyte: 1= 1024 Gigabyte. (.)

16- Megabyte :1 =1022 kilobyte. (.)

17- Byte : 1 byte = 8 bits = 1 letter. ( )

18- Gigahertz used to measure network speed or internet connection. (.)

19- megabits per second measures the number of cycles your CPU carries out per second ( )

20- Networks are groups of people, or things, that are connected to each other for a common purpose. ( )

21- The internet is a network. ( )

22- To connect your computer to the internet, you need a gateway. ( )

23- The World Wide Web (WWW) is part of the internet network, made up of web pages. ( )

24- An internet, unlike the intranet, is private. ( )

25- **cable** a long connector that transmits data or power between devices; example: ethernet cable ( )

26- Internet of Things (IoT). The IoT consists of devices linked to the internet via Wi-Fi. ( )

27- Bluetooth is a networking technology that connects wireless mobile devices over a short range. ( )

28- Digital subscriber line internet connection used phone line connect to internet. ( )

29- DSL a high-speed connection that uses the same home phone wires to connect to the internet, allowing the phone and the internet to be used simultaneously. ( )

30- web pages are linked to each other using hyperlinks. ( )

31- hotspots to allow you to access the internet anywhere on smartphone. ( )

32- Digital Privacy it makes buying or selling is easier for people of determination. ( )

33- Online shopping doesn’t tell anyone your personal information. ( )

34- The first step to troubleshooting process Identify the problem. ( )

35- No internet connection you can use the software to troubleshoot your Wi-Fi connection or check that the router is connected. ( )

36- Computer slows down when opening an app so restart computer and router; check internet speed ( )

37- Browser running slow Check Wi-Fi signal; make sure to update. ( )

38- Slow to download check for software updates or delete unwanted apps. ( )

39- Libraries they contain many books, articles and manuscripts in many fields. ( )

40- Direct interviews: two people meet face to face to exchange information and experiences. ( )

41- You can create the sub folder. Add main-folders in it. ( )

42- To delete folder you can right click and choose delete order. ( )

43- Create a graph or chart to share information. ( )

44- The intranet is used to share over the web and is less secure. ( )

45- An internet is used to share in a closed network and is more secure. ( )

46- Sorting info in alphabetical order: Go to the toolbar and click on Data. Then click on Sort. ( )

47- Click on the cell you want to set a formula. Type “=". This tells Excel you are creating a formula. ( )

48- Reference the letters (top of rows) and numbers (numbers to the left of the columns). ( )

49- you wanted to add numbers from the same column (A), but different rows (4-6). The column information would still come first: = A4 + A5 + A9 ( )

ICT Grade 5

1-Choose the correct answer:

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Put (T) or (F)

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21- The internet is a network. (T)

22- To connect your computer to the internet, you need a gateway. (T)

23- The World Wide Web (WWW) is part of the internet network, made up of web pages. (T)

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28- Digital subscriber line internet connection used phone line connect to internet. (F)

29- DSL a high-speed connection that uses the same home phone wires to connect to the internet, allowing the phone and the internet to be used simultaneously. (T)

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Fifth grade primary - First semester
Information and communication technology
Theme (1) lessons (1-4) Review - paper (1)

(1) Q1: Hebert works as ..... he study the past through excavations in archaeological sites

A	anthropologist	B	ecologist	C	archaeologist

Q2: In his daily work, Fred Hiebert uses .... program to write reports.

A	word processor	B	Excel spreadsheets	C	P.P presentations

Q3: In his daily work, Fred Hiebert uses .... program to prepare and show graphs.

A	word processor	B	Excel spreadsheets	C	P.P presentations

Q4: In his daily work, Fred Hiebert uses .... program to present the research results.

A	word processor	B	Excel spreadsheets	C	P.P presentations

Q5: Hiebert uses printed letters and.......... when he wants to communicate more formally.

A	WhatsApp	B	Email	C	Social Communication

Q6: At times, face-to-face interviews are not possible, hold virtual meeting platforms like

A	zoom	B	WhatsApp	C	Both of them

Q7: .... website provides students with the ability to follow the videos of the various educational channels.

A	YouTube	B	Facebook	C	EKB

Q8:................ channel is an opportunity for students to watch the lessons whenever they choose on YouTube.

A	Our family	B	Madrasitna	C	science friends

(2) Q9: You can use .... to transfer small files between computers at high speed

A	flash memory	B	HDMI	C	Ethernet cable

Q10:................ is like a hard disk drive, but it works faster in transferring files.

A	flash memory	B	External hard drive	C	Router

Q11: You can connect your laptop to the router via .... cable.

A	external hard drive	B	Ethernet	C	HDMI

Q12: It is possible to transmit audio and video from/to devices via .... cable.

A	external hard drive	B	Ethernet	C	HDMI

Q13: .... connected to Ethernet cable, and it is more stable and faster than Wi-Fi

A	Ethernet port	B	USB port	C	HD port

Q14: You can connect your computer to the Internet via Wi-Fi or Ethernet. using ....

A	flash memory	B	External hard drive	C	Router

Q15: The smallest unit of data measurement in a computer is...............

A	Bit	B	Byte	C	Terabyte

Q16: One byte = ... bit

A	3	B	5	C	8

Q17: The word "cat" has three letters and would need .... bytes. to be stored in pc.

A	3 bytes	B	6 bytes	C	9 bytes

Q18: Megabyte =........................

A	1024 bytes	B	1024 kilobytes	C	1024 gigabytes

Q19: Terabyte = ...

A	1024 bytes	B	1024 kilobytes	C	1024 gigabytes

Q20:..................... measures the speed of a network or internet connection.

A	Mbps	B	GHz	C	KB

جروب (كوكب بي سي - محمود ياسين)

Fifth grade primary – First semester
Information and communication technology
Theme (1) lessons (1-4) Review – paper (2)

Q21: .... measures the number of cycles your CPU carries out per second

A	Mbps	B	GHz	C	KB

Q22: if the internet connection is poor during a video conference, you should ....

A	Contact ISP	B	Close some programs	C	Try Ethernet connection

Q23: If your home internet connection not working, you should ....

A	Contact ISP	B	Close some programs	C	Try Ethernet connection

Q24: Not enough graphics storage, may lead to a problem with ....

A	internet connection	B	Processing large files	C	Storing files

Q25: Transferring old files to an external drive, a Potential solution to the problem of.........

A	poor internet connection	B	Internet not working	C	Inability to store files

(3) Q26: ....connects Computers to each other to exchange important information and data.

A	Networks	B	HDMI	C	Flash memory

Q27: If you have one computer connected to another, or a printer, then you have ....

A	WAN	B	LAN	C	MAN

Q28: .... is a network that connects devices and people who use this network from all over the world.

A	LAN	B	Gateway	C	Internet

Q29: To connect your computer to the Internet, you need ....

A	Gateway (Router)	B	ISP	C	Both of them

Q30: ....Is part of the Internet, made up of web pages that people can navigate.

A	World Wide Web	B	intranet	C	closed network

Q31:............ is private, restricted to only those that are part of the business.

A	World Wide Web	B	intranet	C	closed network

Q32: Examples of .... is the network in school's computer lab to allow file sharing.

A	World Wide Web	B	intranet	C	closed network

(4) Q33: .... is a network technology that connects wireless mobile devices over a short range to form a network.

A	Internet of Things	B	Bluetooth	C	Screen reader

Q34: ....consists of devices linked to the internet via Wi-Fi. to control them

A	Internet of Things	B	Bluetooth	C	Screen reader

Q35: As Examples of the Internet of things is .... or the digital refrigerator that is turned on / off through applications.

A	Bluetooth speaker	B	screen reader	C	closed network

Q36: Computer networks give people of determination more ....

A	Difficulty	B	Laziness	C	Independence

Q37: Before any online shopping, you should think about .... to be safe online

A	Sharing your data	B	Digital privacy	C	E-commerce

Q38: The visually impaired use .... to get audio feedback and help with reading

A	Internet of Things	B	Bluetooth	C	Screen readers

Fifth grade primary – First semester
Information and communication technology
Theme (1) lessons (1-4) Review – paper (3)

Complete the following sentences with suitable words from the brackets:

Lesson 1 Explorer in action:

(word processor – zoom – YouTube – PowerPoint – Excel Spreadsheets – E-mail)

1 – Fred Hebert uses, in his daily work, a .... to prepare and express graphs. (Excel)

2 – In ...., make sure that the slides are easy to read and that the information is clear. (powepoint)

3 – You can use .... to communicate more formally and send important documents. (E-Mail)

4 – When face-to-face interviews are not possible, hold the virtual meeting platforms like........... (Zoom).

5 – There are videos for each of the school subjects and many educational channels on.......... website. (YouTube)

Lesson 2 Computer accessories:

(External hard drive – Mbps – HDMI – Ethernet port – gigahertz – megabyte)

1 – Using .... you can transfer audio and video to / from devices. (HDMI)

2 – .... Provides a more stable and faster connection to the Internet than WIFI. (Ethernet port)

3 – .... measures the speed of a network or internet connection. (Mbps)

4 – .... measures the number of cycles your CPU carries out per second (GHz)

5 – if you have a problem of not being able to store files, you should move old files to .... (external drive)

Lesson Three Networks:

(World Wide Web – Local Network – Intranet – Closed Network – Internet – Router)

1 – If you have a computer connected to another, or any device such as a printer, then you have .... (local network).

2 – .... is a network that connects computers and the people who use them from all over the world (Internet).

3 – To connect your computer to the Internet, you need a gateway such as .... and an ISP (Router).

4 – .... is a part of the Internet and made up of web pages that people can navigate. (World Wide Web).

5 – .... ,unlike the Internet, is private, restricted to only those that are part of the business. (Intranet).

Lesson Four Digital Communication Tools:

(Screen readers – Internet of things – Digital privacy – Intranet – Bluetooth – Bluetooth speaker)

1 – Home appliances can be part of a network by connecting them to WIFI, which is called .... (Internet of Things).

2 – .... is an examples of the Internet of Things, which is used to listen to audio. (Bluetooth speaker).

3 – to transmit data between different devices. Over a short range, you can use .... technology. (Bluetooth)

4 – Those with visual impairments use .... to get audio feedback and reading (screen readers).

5 – To be safe online during e-commerce business, you should think about .... (digital privacy)

جروب (كوكب بي سي – محمود ياسين)

Fifth grade primary – First semester
Information and communication technology
Theme (1) lessons (1-4) Review – paper (4)

Put the word (true) in front of the correct statement and the word (false) in front of the incorrect statement in the following:

	LESSON 1 EXPLORER IN ACTION	
1	Fred Hebert uses word processing software to write reports.	True
2	When making a presentation, make sure that the slides are easy to read and that the information is clear.	True
3	Fred Hebert uses PowerPoint to prepare and express graphs.	false
4	When you want to communicate officially, you should use the WhatsApp.	false
5	Mentoring is advising or training someone on a subject you have a lot of experience in.	True
6	When face to-face meetings are not possible, we hold virtual meetings via Zoom or WhatsApp.	True
7	Notes as a word document can be attached to the e-mail message.	True
8	EKB provides video clips for each subject through educational channels.	false
9	"Madrasatna" YouTube channel provides an opportunity for students to watch lessons whenever they want.	True
	LESSON 2 Computer accessories	
10	HDMI cable connects the laptop to the router.	false
11	Wi-Fi connection is more stable and faster than the connection with Ethernet port.	false
12	An external hard drive performs the same function as a hard disk, but much faster	True
13	Flash memory enables you to transfer files between devices at high speed.	True
14	To get HD video and audio on your computer, you must use an HDMI cable.	True
15	Flash memory is a device that connects the computer to the Internet.	false
16	A terabyte is the smallest unit of data in a computer.	false
17	One gigabyte = 1024 megabytes.	True
18	the word 'cat' has three letters and would need (6) bytes.	false
19	Megabytes (MB) measures the speed of a network or internet connection.	false
20	The more cycles CPU performs per second, the faster the data is processed.	True
21	GHz measures the number of cycles your CPU carries out per second	True
22	When you have a problem in processing large files. You have to close some programs.	True
23	When you have a problem with poor wireless connection, you should contact your ISP	false
24	One of the Potential reasons for the problem of not being able to store files is that there is not enough space.	True
25	To solve the problem of not being able to store files, you must move the old files to an external drive.	True
	LESSON 3 Networks	
26	Networks are groups of people or things linked together for a common purpose.	True
27	Computer networks connect devices to each other to exchange important information and data.	True
28	If you have a computer connected to another or any device such as a printer, then have Internet.	false
29	Internet is a network that connects computers and the people who use them from all over the world.	True
30	To connect your computer to the internet you need HDMI cable.	false
31	Gateway (router) connects your computer to your INTERNET SERVICE PROVIDER.	True
32	The Internet is part of the World Wide Web (WWW).	false
33	A school's computer lab can have its own closed computer network.	True
34	Internet is private, restricted to only those that are part of the business, school, or organization.	false
	LESSON 4 Digital communication tools	
35	Internet of Things consists of devices linked to the internet via Wi-Fi. to control them.	True
36	Internet of Things allows you to control devices, just within the room. over a short range	false
37	Bluetooth is a networking technology that connects wireless mobile devices over a short range.	True
38	Computer networks give people of determination more independence.	True
39	Before sharing any of your private information online, you should first think about digital privacy	True
40	The visually impaired use Bluetooth speakers for audio feedback and reading	false

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